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OM protein - protein search, using sw model

Run on: August 18, 2004, 01:17:50 ; Search time 19 Seconds  
(without alignments)  
1546.062 Million cell updates/sec

Title: US-09-847-208B-7  
Perfect score: 3060  
Sequence: 1 EPKSCDKTHCPAPPELL.....HEAASQTVQRAVSNPK 569

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 370580

Minimum DB seq length: 0  
Maximum DB seq length: 569

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/ptodata/2/iaa/5A\_COMB.pep.\*  
2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1247	40.8	277	4	US-09-428-082B-22
2	1243	40.6	268	4	US-09-428-082B-8
3	1226	40.1	253	4	US-09-428-082B-16
4	1225	40.0	232	2	US-08-595-043A-50
5	1225	40.0	331	3	US-09-178-869-2
6	1225	40.0	331	4	US-09-761-413-2
7	1225	40.0	360	4	US-09-180-100-11
8	1225	40.0	371	1	US-08-236-311-7
9	1225	40.0	371	3	US-08-457-918-7
10	1225	40.0	376	4	US-09-180-100-22
11	1225	40.0	396	2	US-08-784-512-3
12	1225	40.0	396	3	US-09-176-228-3
13	1225	40.0	424	5	PCT-US95-03866-12
14	1225	40.0	424	5	PCT-US95-03866-14
15	1225	40.0	437	5	PCT-US96-10043-11
16	1225	40.0	442	4	US-08-472-888A-7
17	1225	40.0	442	5	PCT-US96-10043-9
18	1225	40.0	446	3	US-08-397-411-7
19	1225	40.0	449	1	US-08-458-516-13
20	1225	40.0	459	1	US-08-157-101A-7
21	1225	40.0	475	4	US-08-740-002-27
22	1225	40.0	476	2	US-08-378-939-10
23	1225	40.0	476	3	US-08-487-550-4
24	1225	40.0	476	3	US-08-487-550-12
25	1225	40.0	476	4	US-09-526-098-4
26	1225	40.0	476	4	US-09-526-098-12
27	1225	40.0	478	3	US-08-487-550-8

28	1225	40.0	478	4	US-09-526-098-8	Sequence 8, Appli
29	1225	40.0	497	4	US-09-499-846-6	Sequence 6, Appli
30	1225	40.0	525	4	US-09-499-846-4	Sequence 4, Appli
31	1225	40.0	547	4	US-09-746-359A-54	Sequence 54, Appli
32	1224	40.0	475	4	US-09-740-002-25	Sequence 25, Appli
33	1221	39.9	462	4	US-09-289-942A-7	Sequence 7, Appli
34	1220	39.9	254	2	US-08-284-391B-33	Sequence 33, Appli
35	1220	39.9	254	3	US-09-218-950-33	Sequence 33, Appli
36	1220	39.9	389	3	US-09-131-247-14	Sequence 14, Appli
37	1219	39.8	330	4	US-09-301-593-22	Sequence 22, Appli
38	1219	39.8	451	2	US-08-887-352B-14	Sequence 14, Appli
39	1219	39.8	451	2	US-08-887-352B-16	Sequence 16, Appli
40	1219	39.8	451	2	US-08-887-352B-18	Sequence 18, Appli
41	1219	39.8	451	3	US-08-466-151-65	Sequence 65, Appli
42	1219	39.8	451	3	US-09-109-207C-14	Sequence 14, Appli
43	1219	39.8	451	3	US-09-109-207C-16	Sequence 16, Appli
44	1219	39.8	451	3	US-09-109-207C-18	Sequence 18, Appli
45	1219	39.8	451	3	US-09-282-505-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1  
US-09-428-082B-22  
; Sequence 22, Application US/09428082B  
; Patent No. 6660843  
; GENERAL INFORMATION:  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: LIU, CHUAN-FA  
; APPLICANT: CHEETHAM, JANET C.  
; APPLICANT: BOONE, THOMAS CHARLES  
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
; FILE REFERENCE: A-527  
; CURRENT APPLICATION NUMBER: US/09/428,082B  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/105,371  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 1133  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 22  
; LENGTH: 277  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: FC-EMP-EMP  
US-09-428-082B-22

Query Match	40.8%;	Score 1247;	DB 4;	Length 277;
Best Local Similarity	81.8%;	Pred. No. 2e-97;		
Matches 239;	Conservative	7;	Mismatches 12;	Indels 34; Gaps 5;
QY	6	DKTHCPCPAPELGGPSVFLFPKPKDLMISRTPEVTCVWDVSHEDPEVKENWYVD	65	
Db	2	DKTHCPCPAPELGGPSVFLFPKPKDLMISRTPEVTCVWDVSHEDPEVKENWYVD	61	
QY	66	GVEHNVTKPREEQNSTYRVVSVLTVLHQNMNGKEYCKVSNKALPAPIEKTISKAK	125	
Db	62	GVEHNVTKPREEQNSTYRVVSVLTVLHQNMNGKEYCKVSNKALPAPIEKTISKAK	121	
QY	126	VOPRPQVTLPPSDELTKNOVSLTCLVKGYPDSIAVENSNGQPNNYKTTTPVLDS	185	
Db	122	GQPREPQVTLPPSDELTKNOVSLTCLVKGYPDSIAVENSNGQPNNYKTTTPVLDS	181	
QY	186	VGSFELYSLTVDKGRWQGNVFCVSNVHEALHNHYQORSLSLSPKVGEGGGSG	240	
Db	182	DGSEFELYSLTVDKGRWQGNVFCVSNVHEALHNHYQORSLSLSPKVGEGGGSG	239	
QY	241	-----GGSGGGGSGFTPTTKILQSSCDGGGHHPTTIQLLCLVSG	280	
Db	240	HFGPLTWCKPQGGGGGGGT-----SC-----HFGP-LTWCKPQ	276	

RESULT 2  
US-09-428-082B-8  
; Sequence 8, Application US/09428082B  
; Patent No. 6650843  
; GENERAL INFORMATION:  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: LIU, CHUAN-FA  
; APPLICANT: CHEETHAM, JANET C.  
; APPLICANT: BOONE, THOMAS CHARLES  
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
; FILE REFERENCE: A-527  
; CURRENT APPLICATION NUMBER: US/09/428,082B  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/105,371  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 1133  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 8  
; LENGTH: 268  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: FC-TMP-TMP  
US-09-428-082B-8

Query Match 40.6%; Score 1243; DB 4; Length 268;  
Best Local Similarity 88.9%; Pred. No. 4.1e-97;  
Matches 232; Conservative 5; Mismatches 14; Indels 10; Gaps 1;  
  
QY 6 DKTHCTCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 65  
DB 2 DKTHCTCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 61  
  
QY 66 GVEVHNKTKPREEQYNSTYRVVSVLTVLHQWMNGKVKCKVSNKALPAPIEKTISKAK 125  
DB 62 GVEVHNKTKPREEQYNSTYRVVSVLTVLHQDLNKGKVKCKVSNKALPAPIEKTISKAK 121  
  
QY 126 VQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD 185  
DB 122 GQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD 181  
  
QY 186 VGSFFLYSKLTVDKSRWQGNVFSCVMEALHNHYQORSLSLSPKVEGGGGSG----- 240  
DB 182 DGSFFLYSKLTVDKSRWQGNVFSCVMEALHNHYQORSLSLSPKVEGGGGSGGGIEGPTLR 262  
  
QY 241 -----GGGGGGGGSTPTTVK 256  
DB 242 MLARAGGGGGGGIEGPTLR 262

RESULT 3  
US-09-428-082B-16  
; Sequence 16, Application US/09428082B  
; Patent No. 6650843  
; GENERAL INFORMATION:  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: LIU, CHUAN-FA  
; APPLICANT: CHEETHAM, JANET C.  
; APPLICANT: BOONE, THOMAS CHARLES  
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
; FILE REFERENCE: A-527  
; CURRENT APPLICATION NUMBER: US/09/428,082B  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/105,371  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 1133  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 16  
; LENGTH: 253  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: FC-EMP

US-09-428-082B-16  
Query Match 40.1%; Score 1226; DB 4; Length 253;  
Best Local Similarity 84.7%; Pred. No. 1.e-95;  
Matches 233; Conservative 7; Mismatches 11; Indels 24; Gaps 4;  
  
QY 6 DKTHCTCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 65  
DB 2 DKTHCTCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 61  
  
QY 66 GVEVHNKTKPREEQYNSTYRVVSVLTVLHQWMNGKVKCKVSNKALPAPIEKTISKAK 125  
DB 62 GVEVHNKTKPREEQYNSTYRVVSVLTVLHQDLNKGKVKCKVSNKALPAPIEKTISKAK 121  
  
QY 126 VQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD 185  
DB 122 GQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD 181  
  
QY 186 VGSFFLYSKLTVDKSRWQGNVFSCVMEALHNHYQORSLSLSPKVEGGGGSGGGSG 245  
DB 182 DGSFFLYSKLTVDKSRWQGNVFSCVMEALHNHYQORSLSLSPKVEGGGGSGGG 232  
  
QY 246 GGSFTPTTVKILQSSCDGGGHPPTIQLLCLVSG 280  
DB 233 GGGTY-----SC-----HFGP-LTWVCKPQG 252  
  
RESULT 4  
US-08-595-043A-50  
; Sequence 50, Application US/08595043A  
; Patent No. 5935824  
; GENERAL INFORMATION:  
; APPLICANT: SGARLATO, GREGORY D.  
; TITLE OF INVENTION: PROTEIN EXPRESSION SYSTEM  
; NUMBER OF SEQUENCES: 90  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/595,043A  
; FILING DATE: 31-JAN-1996  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: SGAR-00371  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 50:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 232 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-595-043A-50

Query Match 40.0%; Score 1225; DB 2; Length 232;  
Best Local Similarity 97.0%; Pred. No. 1.1e-95;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
  
QY 1 EPKSCDKTHTCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 1 EPKSCDKTHTCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120  
DB 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120  
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVWESNGQPNKYKTP 180  
DB 121 ISKAKGQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVWESNGQPNKYKTP 180  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFSVSNVHEALHNNHYQORSLSPGK 232  
DB 181 PVLDSGDSFFLYSKLTVDKSRWQGNVFSVSNVHEALHNNHYQORSLSPGK 232

## RESULT 5

US-09-178-869-2  
; Sequence 2, Application US/09178869B  
; Patent No. 6197294  
; GENERAL INFORMATION:  
; APPLICANT: Tao, Weng  
; APPLICANT: Wong, Shou  
; APPLICANT: Hickey, William F.  
; APPLICANT: Hamang, Joseph P.  
; APPLICANT: Baetge, E. Edward  
; TITLE OF INVENTION: CELL SURFACE-INDUCED MACROPHAGE ACTIVATION  
; FILE REFERENCE: 17810-043  
; CURRENT APPLICATION NUMBER: US/09/178,869B  
; CURRENT FILING DATE: 1998-10-26  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 331  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-178-869-2

Query Match 40.0%; Score 1225; DB 3; Length 331;  
Best Local Similarity 97.0%; Pred. No. 1.9e-95;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
DB 100 EPKSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 159  
QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120  
DB 160 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 219  
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVWESNGQPNKYKTP 180  
DB 220 ISKAKGQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVWESNGQPNKYKTP 279  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFSVSNVHEALHNNHYQORSLSPGK 232  
DB 280 PVLDSGDSFFLYSKLTVDKSRWQGNVFSVSNVHEALHNNHYQORSLSPGK 331

## RESULT 6

US-09-761-413-2  
; Sequence 2, Application US/09761413  
; Patent No. 6506891  
; GENERAL INFORMATION:  
; APPLICANT: Tao, Weng  
; APPLICANT: Wong, Shou  
; APPLICANT: Hickey, William F.  
; APPLICANT: Hamang, Joseph P.  
; APPLICANT: Baetge, E. Edward  
; TITLE OF INVENTION: CELL SURFACE-INDUCED MACROPHAGE ACTIVATION  
; FILE REFERENCE: 17810-043  
; CURRENT APPLICATION NUMBER: US/09/761,413  
; CURRENT FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US/09/178,869  
; PRIOR FILING DATE: 1998-10-26

; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 331  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-761-413-2

Query Match 40.0%; Score 1225; DB 4; Length 331;  
Best Local Similarity 97.0%; Pred. No. 1.9e-95;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
DB 100 EPKSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 159  
QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120  
DB 160 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 219  
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVWESNGQPNKYKTP 180  
DB 220 ISKAKGQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVWESNGQPNKYKTP 279  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFSVSNVHEALHNNHYQORSLSPGK 232  
DB 280 PVLDSGDSFFLYSKLTVDKSRWQGNVFSVSNVHEALHNNHYQORSLSPGK 331

## RESULT 7

US-09-180-100-11  
; Sequence 11, Application US/09180100  
; Patent No. 6306395  
; GENERAL INFORMATION:  
; APPLICANT: NAKAMURA, No. 630639510  
; APPLICANT: NAGATA, Shigekazu  
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE  
; FILE REFERENCE: 1110-207P  
; CURRENT APPLICATION NUMBER: US/09/180,100  
; CURRENT FILING DATE: 1998-11-02  
; EARLIER APPLICATION NUMBER: PCT/JP97/01502  
; EARLIER FILING DATE: 1997-05-01  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 360  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-180-100-11

Query Match 40.0%; Score 1225; DB 4; Length 360;  
Best Local Similarity 97.0%; Pred. No. 2.1e-95;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
DB 129 EPKSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 188  
QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120  
DB 189 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 248  
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVWESNGQPNKYKTP 180  
DB 249 ISKAKGQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVWESNGQPNKYKTP 308  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFSVSNVHEALHNNHYQORSLSPGK 232  
DB 309 PVLDSGDSFFLYSKLTVDKSRWQGNVFSVSNVHEALHNNHYQORSLSPGK 360

## RESULT 8

US-08-236-311-7

```

; Sequence 7, Application US/08236311
; Patent No. 5565335
; GENERAL INFORMATION:
; APPLICANT: Capon, Daniel J.
; APPLICANT: Gregory, Timothy J.
; TITLE OF INVENTION: Adhesion Variants
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/236,311
; FILING DATE: 02-MAY-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/936190
; FILING DATE: 26-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/842777
; FILING DATE: 18-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/250785
; FILING DATE: 28-SEP-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/104329
; FILING DATE: 02-OCT-1987
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 444P1C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 371 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-236-311-7

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Query Match 40.0%; Score 1225; DB 1; Length 371;
Best Local Similarity 97.0%; Pred. No. 2.2e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCCPCAPPELLGGPSVFLPPLPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
DB 140 EPKSCDKHTCCPCAPPELLGGPSVFLPPLPKDTLMISRTPEVTCVVDVSHEDPEVKF 199
QY 61 NNYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWNGKEYCKVSNKALPAPIEKT 120
DB 200 NNYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYCKVSNKALPAPIEKT 259
QY 121 ISKAKVQPREPVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
DB 260 ISKAKGQPREPVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 319
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVSCSVMHEALHNHYTQKSLSLSPGK 232
DB 320 PVLDSGSGFFLYSKLTVDKSRWQQGNVSCSVMHEALHNHYTQKSLSLSPGK 371

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RESULT 9
US-08-457-918-7

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; Sequence 7, Application US/08457918
; Patent No. 6117655
; GENERAL INFORMATION:
; APPLICANT: Capon, Daniel J.
; APPLICANT: Gregory, Timothy J.
; TITLE OF INVENTION: Adhesion Variants
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/457,918
; FILING DATE: 1-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/236311
; FILING DATE: 02-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/936190
; FILING DATE: 26-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/842777
; FILING DATE: 18-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/250785
; FILING DATE: 28-SEP-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/104329
; FILING DATE: 02-OCT-1987
; ATTORNEY/AGENT INFORMATION:
; NAME: Kubinec, Jeffrey S.
; REGISTRATION NUMBER: 36,575
; REFERENCE/DOCKET NUMBER: P0444P1C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-8228
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 371 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-457-918-7

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Query Match 40.0%; Score 1225; DB 3; Length 371;
Best Local Similarity 97.0%; Pred. No. 2.2e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCCPCAPPELLGGPSVFLPPLPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
DB 140 EPKSCDKHTCCPCAPPELLGGPSVFLPPLPKDTLMISRTPEVTCVVDVSHEDPEVKF 199
QY 61 NNYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWNGKEYCKVSNKALPAPIEKT 120
DB 200 NNYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYCKVSNKALPAPIEKT 259
QY 121 ISKAKVQPREPVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
DB 260 ISKAKGQPREPVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 319
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVSCSVMHEALHNHYTQKSLSLSPGK 232
DB 320 PVLDSGSGFFLYSKLTVDKSRWQQGNVSCSVMHEALHNHYTQKSLSLSPGK 371

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RESULT 10
US-09-180-100-22
; Sequence 22, Application US/09180100
; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 6306395i0
; APPLICANT: NAGATA, Shigekazu
; TITLE OF INVENTION: NOVEL FAS ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/180,100
; CURRENT FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JP97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 22
; LENGTH: 376
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-100-22

Query Match 40.0%; Score 1225; DB 4; Length 376;
Best Local Similarity 97.0%; Pred. No. 2.2e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHTCCPCAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 145 EPKSCDKTHTCCPCAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 204
Qy 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
Db 205 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 264
Qy 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
Db 265 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 324
Qy 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSVWHEALHNHYTQKSLSLSPGK 232
Db 325 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSVWHEALHNHYTQKSLSLSPGK 376

RESULT 11
US-08-784-512-3
; Sequence 3, Application US/08784512
; Patent No. 5872209
; GENERAL INFORMATION:
; APPLICANT: BARTNIK, Eckart
; APPLICANT: EIDENMUELLER, Bernd
; APPLICANT: BUETTNER, Frank
; APPLICANT: CATERSON, Bruce
; APPLICANT: HUGHES, Clare
; TITLE OF INVENTION: An artificial recombinant substrate (rAGG 1)
; TITLE OF INVENTION: and native aggrecan to study the proteolytic activity of
; TITLE OF INVENTION: "Aggrecanase" in cell culture systems
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: Suite 500, 3000 K Street, N.W.
; CITY: Washington, D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/784,512
; FILING DATE: 17-JAN-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 96100682.2
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; FILING DATE: 18-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: GRANADOS, Patricia D.
; REGISTRATION NUMBER: 33,683
; REFERENCE/DOCKET NUMBER: 18748/311
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 396 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..396
US-08-784-512-3

Query Match 40.0%; Score 1225; DB 2; Length 396;
Best Local Similarity 97.0%; Pred. No. 2.4e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHTCCPCAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 165 EPKSCDKTHTCCPCAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 224
Qy 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120
Db 225 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 284
Qy 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180
Db 285 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 344
Qy 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSVWHEALHNHYTQKSLSLSPGK 232
Db 345 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSVWHEALHNHYTQKSLSLSPGK 396

RESULT 12
US-09-176-228-3
; Sequence 3, Application US/09176228
; Patent No. 6180334
; GENERAL INFORMATION:
; APPLICANT: BARTNIK, Eckart
; APPLICANT: EIDENMUELLER, Bernd
; APPLICANT: BUETTNER, Frank
; APPLICANT: CATERSON, Bruce
; APPLICANT: HUGHES, Clare
; TITLE OF INVENTION: An artificial recombinant substrate (rAGG 1)
; TITLE OF INVENTION: and native aggrecan to study the proteolytic activity of
; TITLE OF INVENTION: "Aggrecanase" in cell culture systems
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: Suite 500, 3000 K Street, N.W.
; CITY: Washington, D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/176,228
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/784,512
; FILING DATE: 17-JAN-1997
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; APPLICATION NUMBER: EP 96100682.2
; FILING DATE: 18-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: GRANADOS, Patricia D.
; REGISTRATION NUMBER: 33,683
; REFERENCE/DOCKET NUMBER: 18748/311
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 396 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..396
; US-09-176-228-3

Query Match          40.0%; Score 1225; DB 3; Length 396;
Best Local Similarity 97.0%; Pred. No. 2.4e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPPCPAPELLGSPVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 165 EPKSCDKTHTCPPCPAPELLGSPVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 224
QY 61 NWYVDGVEVHNKTKRREQYNSTYRVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120
DB 225 NWYVDGVEVHNKTKRREQYNSTYRVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 284
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 180
DB 285 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 344
QY 181 PVLDSVGSFLYSLKLTVDKSRWQGNVFCSCVMHEALHNYHQORSLSLSPGK 232
DB 345 PVLDSVGSFLYSLKLTVDKSRWQGNVFCSCVMHEALHNYHQORSLSLSPGK 396

RESULT 13
PCT-US95-03866-12
; Sequence 12, Application PC/TUS9503866
; GENERAL INFORMATION:
; APPLICANT: CytoMed, Inc. (all states except US)
; APPLICANT: Nocka, Karl (US only)
; APPLICANT: Lobell, Robert B (US only)
; TITLE OF INVENTION: STABILIZED DIMER OF KIT LIGAND AND
; TITLE OF INVENTION: FLI-3/FLK-2 LIGAND
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; STREET: 1251 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10020
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/03866
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/220,379
; FILING DATE: 28-MAR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Haley Jr, James F
; REGISTRATION NUMBER: 27,794
; REFERENCE/DOCKET NUMBER: CytoMed/2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-596-9000
; TELEFAX: 212-596-9090
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
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```
; NAME: Haley Jr, James F
; REGISTRATION NUMBER: 27,794
; REFERENCE/DOCKET NUMBER: CytoMed/2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-596-9000
; TELEFAX: 212-596-9090
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 424 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US95-03866-12

Query Match          40.0%; Score 1225; DB 5; Length 424;
Best Local Similarity 97.0%; Pred. No. 2.7e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPPCPAPELLGSPVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB 193 EPKSCDKTHTCPPCPAPELLGSPVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 352
QY 61 NWYVDGVEVHNKTKRREQYNSTYRVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120
DB 253 NWYVDGVEVHNKTKRREQYNSTYRVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 312
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 180
DB 313 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 372
QY 181 PVLDSVGSFLYSLKLTVDKSRWQGNVFCSCVMHEALHNYHQORSLSLSPGK 232
DB 373 PVLDSVGSFLYSLKLTVDKSRWQGNVFCSCVMHEALHNYHQORSLSLSPGK 424

RESULT 14
PCT-US95-03866-14
; Sequence 14, Application PC/TUS9503866
; GENERAL INFORMATION:
; APPLICANT: CytoMed, Inc. (all states except US)
; APPLICANT: Nocka, Karl (US only)
; APPLICANT: Lobell, Robert B (US only)
; TITLE OF INVENTION: STABILIZED DIMER OF KIT LIGAND AND
; TITLE OF INVENTION: FLI-3/FLK-2 LIGAND
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; STREET: 1251 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10020
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/03866
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/220,379
; FILING DATE: 28-MAR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Haley Jr, James F
; REGISTRATION NUMBER: 27,794
; REFERENCE/DOCKET NUMBER: CytoMed/2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-596-9000
; TELEFAX: 212-596-9090
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
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LENGTH: 424 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
PCT-US95-03866-14

Query Match 40.0%; Score 1225; DB 5; Length 424;  
Best Local Similarity 97.0%; Pred. No. 2.7e-95;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
QY 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
Db 193 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 252  
QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVTLHQNMMNGKEYCKVSNKALPAPIEKT 120  
Db 253 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVTLHQNMMNGKEYCKVSNKALPAPIEKT 312  
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180  
Db 313 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 372  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNYQORSLSLSPGK 232  
Db 373 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNYQORSLSLSPGK 424

RESULT 15

PCT-US96-10043-11  
Sequence 11, Application PC/TUS9610043  
GENERAL INFORMATION:  
APPLICANT: The General Hospital Corporation  
TITLE OF INVENTION: P-SELECTIN LIGANDS AND RELATED MOLECULES  
TITLE OF INVENTION: AND METHODS  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02210-2804  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US96/10043  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/000,213  
FILING DATE: 14-JUN-1995  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Lech, Karen F.  
REGISTRATION NUMBER:  
REFERENCE/DOCKET NUMBER: 00786/284001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617/542-5070  
TELEFAX: 617/542-8906  
TELEX: 200154  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 437 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
PCT-US96-10043-11

Query Match

40.0%; Score 1225; DB 5; Length 437;

Best Local Similarity 97.0%; Pred. No. 2.8e-95;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
QY 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
Db 206 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 265  
QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVTLHQNMMNGKEYCKVSNKALPAPIEKT 120  
Db 266 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVTLHQNMMNGKEYCKVSNKALPAPIEKT 325  
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180  
Db 326 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 385  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNYQORSLSLSPGK 232  
Db 386 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNYQORSLSLSPGK 437

Search completed: August 18, 2004, 01:23:26  
Job time : 20 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: August 18, 2004, 01:22:06 ; Search time 50 Seconds  
(without alignments)  
3572.491 Million cell updates/sec

Title: US-09-847-208B-7  
Perfect score: 3060  
Sequence: 1 EPKSCDTHTCPCPAPELL.....HEAASPTQVRVSNPK 569

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Gapop 10.0 , Gapext 0.5

Searched: 1292805 seqs, 313927144 residues

Total number of hits satisfying chosen parameters: 1167132

Minimum DB seq length: 0  
Maximum DB seq length: 569

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

- Database : Published Applications AA:\*
- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
  - 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
  - 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
  - 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
  - 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
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  - 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*
  - 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
  - 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
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  - 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*
  - 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
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  - 16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
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  - 18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3060	100.0	569	10	US-09-847-208-7
2	3060	100.0	569	12	US-10-000-439-7
3	1766	57.7	427	10	US-09-847-208-5
4	1766	57.7	427	12	US-10-000-439-5
5	1766	57.7	428	9	US-09-916-230-1
6	1766	57.7	428	9	US-09-949-375A-1
7	1766	57.7	428	13	US-10-047-542-60
8	1755	57.4	441	9	US-09-949-375A-7
9	1707	55.8	320	10	US-09-847-208-6
10	1707	55.8	320	12	US-10-000-439-6
11	1707	55.8	323	9	US-09-949-375A-2
12	1707	55.8	323	9	US-09-949-375A-4
13	1707	55.8	323	9	US-09-949-375A-6
14	1707	55.8	331	9	US-09-401-636-1
15	1707	55.8	331	14	US-10-176-664-1

16	1707	55.8	331	14	US-10-207-655-329	Sequence 329, Appl
17	1707	55.8	331	16	US-10-673-594-1	Sequence 1, Appli
18	1705.5	55.7	426	14	US-10-214-524-26	Sequence 26, Appl
19	1696	55.4	336	9	US-09-949-375A-8	Sequence 8, Appli
20	1671	54.6	330	9	US-09-949-375A-10	Sequence 10, Appl
21	1649	53.9	347	14	US-10-152-190-13	Sequence 13, Appl
22	1579	51.6	347	14	US-10-152-190-12	Sequence 12, Appl
23	1566.5	51.2	348	14	US-10-152-190-11	Sequence 11, Appl
24	1435.5	46.9	346	14	US-10-152-190-10	Sequence 10, Appl
25	1364.5	44.6	346	14	US-10-152-190-14	Sequence 14, Appl
26	1260	41.2	232	10	US-09-847-208-3	Sequence 3, Appli
27	1260	41.2	232	12	US-10-000-439-3	Sequence 3, Appli
28	1260	41.2	330	10	US-09-847-208-2	Sequence 2, Appli
29	1255.5	41.0	330	12	US-10-000-439-2	Sequence 2, Appli
30	1247	40.8	277	12	US-10-609-217-22	Sequence 22, Appl
31	1247	40.8	277	12	US-10-632-388-22	Sequence 22, Appl
32	1247	40.8	277	12	US-10-632-388-22	Sequence 22, Appl
33	1247	40.8	277	12	US-10-651-723-22	Sequence 22, Appl
34	1247	40.8	277	12	US-10-645-761-22	Sequence 22, Appl
35	1247	40.8	277	16	US-10-666-696-22	Sequence 22, Appl
36	1247	40.8	277	16	US-10-653-048-22	Sequence 22, Appl
37	1243	40.6	268	12	US-10-609-217-8	Sequence 8, Appli
38	1243	40.6	268	12	US-10-632-388-8	Sequence 8, Appli
39	1243	40.6	268	12	US-10-651-723-8	Sequence 8, Appli
40	1243	40.6	268	12	US-10-645-761-8	Sequence 8, Appli
41	1243	40.6	268	16	US-10-666-696-8	Sequence 8, Appli
42	1243	40.6	268	16	US-10-653-048-8	Sequence 8, Appli
43	1232	40.3	462	12	US-10-385-802-46	Sequence 46, Appl
44	1229	40.2	379	12	US-10-679-999-9	Sequence 9, Appli
45	1227	40.1	543	14	US-10-207-655-345	Sequence 345, App

ALIGNMENTS

RESULT 1  
US-09-847-208-7  
; Sequence 7, Application US/09847208  
; Publication No. US20030082190A1  
; GENERAL INFORMATION:  
; APPLICANT: Saxon, Andrew  
; APPLICANT: Zhang, Ke  
; APPLICANT: Zhu, Daocheng  
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF  
; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES  
; FILE REFERENCE: UC67.002A  
; CURRENT APPLICATION NUMBER: US/09/847,208  
; NUMBER OF SEQ ID NOS: 177  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 7  
; LENGTH: 569  
; TYPE: PRT  
; ORGANISM: Unknown  
; FEATURE:  
; OTHER INFORMATION: Fusion between hinge-CH2-CH3 (IgG1) to CH2-CH3-CH4  
; OTHER INFORMATION: (IGE)  
US-09-847-208-7

Query Match	100.0%;	Score	3060;	DB	10;	Length	569;
Best Local Similarity	100.0%;	Pred. No.	7.8e-208;				
Matches	569;	Conservative	0;	Mismatches	0;	Indels	0;
Gaps	0;						
QY	1	EPKSCDTHTCPCPAPELLGGPSVFLFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKF	60				
Db	1	EPKSCDTHTCPCPAPELLGGPSVFLFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKF	60				
QY	61	NWYDGVVHVKTPREQYNSYRVSVLTVLHQNMMNGKEYCKVSNKALPAPIEKT	120				
Db	61	NWYDGVVHVKTPREQYNSYRVSVLTVLHQNMMNGKEYCKVSNKALPAPIEKT	120				
QY	121	ISKAKYQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPESDIAVWESNGQENNVKPTP	180				

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Db 121 ISKAKVQPREPVYTLPPSRDELTKNOVSLTCLVKGFPSPDIAVEWESNGQFENNYKTP 180
Qy 181 PVLDSVGSFPLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQQRSLSPGKVEGGGSG 240
Db 181 PVLDSVGSFPLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQQRSLSPGKVEGGGSG 240
Qy 241 GGGSGGGGFTPTVKILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVD 300
Db 241 GGGSGGGGFTPTVKILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVD 300
Qy 301 LSTASTQGEELASTQSELTLSQKHWLSDRTYTCQVYQCHTFEDSTKRCADSNPRGVA 360
Db 301 LSTASTQGEELASTQSELTLSQKHWLSDRTYTCQVYQCHTFEDSTKRCADSNPRGVA 360
Qy 361 YLSRPSFDFLRKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEKQKNGTLT 420
Db 361 YLSRPSFDFLRKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEKQKNGTLT 420
Qy 421 VTSITLVGTRDMIEGTQYQCRVTHPHLPALMRSTTKSGPRAAPEVYAFATPEWPGSRD 480
Db 421 VTSITLVGTRDMIEGTQYQCRVTHPHLPALMRSTTKSGPRAAPEVYAFATPEWPGSRD 480
Qy 481 KRTLACLIQNFMPEDISVQWLHNEVOLPDARHSTTQPRKTKGSGFPVSRLEVTAEWEQ 540
Db 481 KRTLACLIQNFMPEDISVQWLHNEVOLPDARHSTTQPRKTKGSGFPVSRLEVTAEWEQ 540
Qy 541 KDFICRAVHEAASPSQTVQRAVSVNPGK 569
Db 541 KDFICRAVHEAASPSQTVQRAVSVNPGK 569

RESULT 2
US-10-000-439-7
; Sequence 7, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; TITLE OF INVENTION: TREATMENT OF IMMUNE DISEASES
; FILE REFERENCE: UC067.004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 569
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Fusion polypeptide comprising a hinge-CH2-CH3
; OTHER INFORMATION: (IgG1) sequence and a CH2-CH3-CH4 (Ige) sequence
US-10-000-439-7

Query Match 100.0%; Score 3060; DB 13; Length 569;
Best Local Similarity 100.0%; Pred. No. 7.8e-208;
Matches 569; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHCTCPPELPGSPVFLPPPKDITLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 1 EPKSCDKTHCTCPPELPGSPVFLPPPKDITLMISRTPEVTCVVVDVSHEDPEVKF 60
Qy 61 NMVVDGVEVHNKTKPREEQYNSTRVSVSLVTLHQNMMNGKEYCKVSNKALPAPIET 120
Db 61 NMVVDGVEVHNKTKPREEQYNSTRVSVSLVTLHQNMMNGKEYCKVSNKALPAPIET 120
Qy 121 ISKAKVQPREPVYTLPPSRDELTKNOVSLTCLVKGFPSPDIAVEWESNGQFENNYKTP 180
Db 121 ISKAKVQPREPVYTLPPSRDELTKNOVSLTCLVKGFPSPDIAVEWESNGQFENNYKTP 180
Qy 181 PVLDSVGSFPLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQQRSLSPGKVEGGGSG 240

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Db 181 PVLDSVGSFPLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQQRSLSPGKVEGGGSG 240
Qy 241 GGGSGGGGFTPTVKILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVD 300
Db 241 GGGSGGGGFTPTVKILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVD 300
Qy 301 LSTASTQGEELASTQSELTLSQKHWLSDRTYTCQVYQCHTFEDSTKRCADSNPRGVA 360
Db 301 LSTASTQGEELASTQSELTLSQKHWLSDRTYTCQVYQCHTFEDSTKRCADSNPRGVA 360
Qy 361 YLSRPSFDFLRKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEKQKNGTLT 420
Db 361 YLSRPSFDFLRKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEKQKNGTLT 420
Qy 421 VTSITLVGTRDMIEGTQYQCRVTHPHLPALMRSTTKSGPRAAPEVYAFATPEWPGSRD 480
Db 421 VTSITLVGTRDMIEGTQYQCRVTHPHLPALMRSTTKSGPRAAPEVYAFATPEWPGSRD 480
Qy 481 KRTLACLIQNFMPEDISVQWLHNEVOLPDARHSTTQPRKTKGSGFPVSRLEVTAEWEQ 540
Db 481 KRTLACLIQNFMPEDISVQWLHNEVOLPDARHSTTQPRKTKGSGFPVSRLEVTAEWEQ 540
Qy 541 KDFICRAVHEAASPSQTVQRAVSVNPGK 569
Db 541 KDFICRAVHEAASPSQTVQRAVSVNPGK 569

RESULT 3
US-09-847-208-5
; Sequence 5, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daocheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES
; FILE REFERENCE: UC67.002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapiens
; ORGANISM: Homo sapiens
US-09-847-208-5

Query Match 57.7%; Score 1766; DB 10; Length 427;
Best Local Similarity 78.0%; Pred. No. 1.6e-116;
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

Qy 129 REQVYTLPPSRDELTKNOVSLT--CLVKGFPSPDIAVEWESNGQFENNYKTP-PVLDS 185
Db 3 QSPSVFPLTRCKNIPSNATSVTLGCLATGYFPEPVVMTWDT-GSLNGTMTLPATTL 61
Qy 186 VGSFPLYSKLTVDKSRWQGNVFCSCVMHEALHNHY-QQRSLSPGKVEGGGSGGGS 244
Db 62 SGHYATISLTV-SGAWAK-QMFTCAVATPSTVDVNDKTSVC----- 104
Qy 245 GGGSGFTPTVKILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVLSA 304
Db 105 --SRDFTPTVKILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVLSA 162
Qy 305 STTQGEELASTQSELTLSQKHWLSDRTYTCQVYQCHTFEDSTKRCADSNPRGVAISR 364
Db 163 STTQGEELASTQSELTLSQKHWLSDRTYTCQVYQCHTFEDSTKRCADSNPRGVAISR 222
Qy 365 PSPFDLFIKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEKQKNGTLT 424
Db 223 PSPFDLFIKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEKQKNGTLT 282
Qy 425 LPVGTDRWIEGTQYQCRVTHPHLPALMRSTTKSGPRAAPEVYAFATPEWPGSRDKRTL 484

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Db 283 LPVGTDRWIEGETYQCRVTHPHLPALMRSTTTTSGPRAAPVEYAFATPEWPGSRDKRTL 342  
QY 485 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEF 544  
Db 343 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEF 402  
QY 545 ICRVHAAASPSQTVQRAVSNPGK 569  
Db 403 ICRVHAAASPSQTVQRAVSNPGK 427

RESULT 4  
US-10-000-439-5  
; Sequence 5, Application US/10000439  
; Publication No. US20030064063A1  
; GENERAL INFORMATION:  
; APPLICANT: Saxon, Andrew  
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR  
; TITLE OF INVENTION: TREATMENT OF IMMUNE DISEASES  
; FILE REFERENCE: UC067.004A  
; CURRENT APPLICATION NUMBER: US/10/000,439  
; PRIOR FILING DATE: 2001-10-24  
; PRIOR APPLICATION NUMBER: US 09/847,208  
; PRIOR FILING DATE: 2001-05-01  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 5  
; LENGTH: 427  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-000-439-5

Query Match 57.7%; Score 1766; DB 12; Length 427;  
Best Local Similarity 78.0%; Pred. No. 1.6e-116;  
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY 129 REPQVYTLPPSRDELTKNQVSLT--CLVKGFPVPSDIAVWESNGQPENNYKTTTP--PVLDS 185  
Db 3 QSPSVFPLTRCCCKNIPSNATSVTLGCLATGYFPEPVVMTWDT--GSLNGITMTLPAITLTL 61  
QY 186 VGSFPLYSKLTVDKSRWQGNVFCSCVMHEALHNY--QORSLSLSPKVEGGGGGGGS 244  
Db 62 SGHYATISLLTV--SGAWAK--QMFTCRVAHTPSSTDWVDNKTFSVC----- 104  
QY 245 GGGGSFTPTTKVILQSSCDGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVDLSTA 304  
Db 105 --SRDFTPTTKVILQSSCDGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVDLSTA 162  
QY 305 STTOGELASTQSELTLSQKHWLSDRITYTCQVYQGHFTFEDSTKCCADSNPRGVSAYLSR 364  
Db 163 STTOGELASTQSELTLSQKHWLSDRITYTCQVYQGHFTFEDSTKCCADSNPRGVSAYLSR 222  
QY 365 PSPFDLFRKSPPTITCLVLDLAPSKGTVNLTWASRAGKPVNHSRKEEKORNGTLTVTST 424  
Db 223 PSPFDLFRKSPPTITCLVLDLAPSKGTVNLTWASRAGKPVNHSRKEEKORNGTLTVTST 282  
QY 425 LPVGTDRWIEGETYQCRVTHPHLPALMRSTTTTSGPRAAPVEYAFATPEWPGSRDKRTL 484  
Db 283 LPVGTDRWIEGETYQCRVTHPHLPALMRSTTTTSGPRAAPVEYAFATPEWPGSRDKRTL 342  
QY 485 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEF 544  
Db 343 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEF 402  
QY 545 ICRVHAAASPSQTVQRAVSNPGK 569  
Db 403 ICRVHAAASPSQTVQRAVSNPGK 427

RESULT 5  
US-09-916-230-1  
; Sequence 1, Application US/09916230

; Patent No. US20020146422A1  
; GENERAL INFORMATION:  
; APPLICANT: Bachmann, Martin F.  
; APPLICANT: Renner, Wolfgang A.  
; TITLE OF INVENTION: Compositions for Inducing Self-Specific Anti-IgE  
; TITLE OF INVENTION: Antibodies and Uses Thereof  
; FILE REFERENCE: 1700.0140001  
; CURRENT APPLICATION NUMBER: US/09/916,230  
; PRIOR FILING DATE: 2001-07-27  
; PRIOR APPLICATION NUMBER: US 60/221,841  
; PRIOR FILING DATE: 2000-07-28  
; NUMBER OF SEQ ID NOS: 35  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1  
; LENGTH: 428  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-916-230-1

Query Match 57.7%; Score 1766; DB 9; Length 428;  
Best Local Similarity 78.0%; Pred. No. 1.6e-116;  
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY 129 REPQVYTLPPSRDELTKNQVSLT--CLVKGFPVPSDIAVWESNGQPENNYKTTTP--PVLDS 185  
Db 4 QSPSVFPLTRCCCKNIPSNATSVTLGCLATGYFPEPVVMTWDT--GSLNGITMTLPAITLTL 62  
QY 186 VGSFPLYSKLTVDKSRWQGNVFCSCVMHEALHNY--QORSLSLSPKVEGGGGGGGS 244  
Db 63 SGHYATISLLTV--SGAWAK--QMFTCRVAHTPSSTDWVDNKTFSVC----- 105  
QY 245 GGGGSFTPTTKVILQSSCDGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVDLSTA 304  
Db 106 --SRDFTPTTKVILQSSCDGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVDLSTA 163  
QY 305 STTOGELASTQSELTLSQKHWLSDRITYTCQVYQGHFTFEDSTKCCADSNPRGVSAYLSR 364  
Db 164 STTOGELASTQSELTLSQKHWLSDRITYTCQVYQGHFTFEDSTKCCADSNPRGVSAYLSR 223  
QY 365 PSPFDLFRKSPPTITCLVLDLAPSKGTVNLTWASRAGKPVNHSRKEEKORNGTLTVTST 424  
Db 224 PSPFDLFRKSPPTITCLVLDLAPSKGTVNLTWASRAGKPVNHSRKEEKORNGTLTVTST 283  
QY 425 LPVGTDRWIEGETYQCRVTHPHLPALMRSTTTTSGPRAAPVEYAFATPEWPGSRDKRTL 484  
Db 284 LPVGTDRWIEGETYQCRVTHPHLPALMRSTTTTSGPRAAPVEYAFATPEWPGSRDKRTL 343  
QY 485 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEF 544  
Db 344 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEF 403  
QY 545 ICRVHAAASPSQTVQRAVSNPGK 569  
Db 404 ICRVHAAASPSQTVQRAVSNPGK 428

RESULT 6  
US-09-949-375A-1  
; Sequence 1, Application US/09949375A  
; Patent No. US20020172673A1  
; GENERAL INFORMATION:  
; APPLICANT: Klynsner, Steen et al.  
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE  
; FILE REFERENCE: 3631-0111P  
; CURRENT APPLICATION NUMBER: US/09/949,375A  
; CURRENT FILING DATE: 2002-01-18  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 428  
; TYPE: PRT  
; ORGANISM: homo sapiens  
; FEATURE:

NAME/KEY: DOMAIN  
 LOCATION: (11)..(116)  
 OTHER INFORMATION: Human Ige heavy chain C1 domain  
 FEATURE:  
 NAME/KEY: MISC FEATURE  
 LOCATION: (209)..(216)  
 OTHER INFORMATION: Linker between domains C2 and C3  
 FEATURE:  
 NAME/KEY: MISC FEATURE  
 LOCATION: (205)..(219)  
 OTHER INFORMATION: Epitope including C2C3 linker  
 FEATURE:  
 NAME/KEY: MISC FEATURE  
 LOCATION: (315)..(323)  
 OTHER INFORMATION: Epitope including C3C4 linker  
 FEATURE:  
 NAME/KEY: MISC FEATURE  
 LOCATION: (244)..(251)  
 OTHER INFORMATION: Epitope in BC loop  
 FEATURE:  
 NAME/KEY: MISC FEATURE  
 LOCATION: (272)..(280)  
 OTHER INFORMATION: Epitope in DE loop  
 FEATURE:  
 NAME/KEY: MISC FEATURE  
 LOCATION: (301)..(311)  
 OTHER INFORMATION: Epitope in FG loop  
 FEATURE:  
 NAME/KEY: MISC FEATURE  
 LOCATION: (317)..(320)  
 OTHER INFORMATION: Linker between domains C3 and C4  
 FEATURE:  
 NAME/KEY: DOMAIN  
 LOCATION: (321)..(422)  
 OTHER INFORMATION: Human Ige heavy chain C4 domain  
 FEATURE:  
 NAME/KEY: DOMAIN  
 LOCATION: (217)..(316)  
 OTHER INFORMATION: Human Ige heavy chain C3 domain  
 FEATURE:  
 NAME/KEY: DOMAIN  
 LOCATION: (113)..(208)  
 OTHER INFORMATION: Human Ige heavy chain C2 domain  
 US-09-949-375A-1

Query Match 57.7%; Score 1766; DB 9; Length 428;  
 Best Local Similarity 78.0%; Pred. No. 1.6e-116;  
 Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;  
 QY 129 REPQVYTLPPSRDELTKNQVSLT--CLYKGFVPSDIWESNGOPENNYKTP-PVLDS 185  
 DB 4 QSPSVFPLTRCCKNIPSNATSVTLGCLATGYPEPVMTWDT-GSLNGTTMTLPAITLTL 62  
 QY 186 VGSFFLYSLKLTVDKSRWQGNVFCSVMEALHNNY-QORSLSLSPGKVEGGGGGGGS 244  
 DB 63 SGHYATISLLTV-SGAWAK-QMFTCRVAHTPSSTDWVNDKTFVC----- 105  
 QY 245 GGGGFTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTA 304  
 DB 106 --SRDFTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTA 163  
 QY 305 STTQEGELASTQSELTLSQKHWLSRDTYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSR 364  
 DB 164 STTQEGELASTQSELTLSQKHWLSRDTYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSR 223  
 QY 365 PSPFDLIRKSPITITCLVVDLAPSKGTVNLWTSRASKPVPNHSTRKEKQNGTLTVTST 424  
 DB 224 PSPFDLIRKSPITITCLVVDLAPSKGTVNLWTSRASKPVPNHSTRKEKQNGTLTVTST 283  
 QY 425 LPVGTDMIEGETYQCRVTHPLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 484  
 DB 284 LPVGTDMIEGETYQCRVTHPLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 343  
 QY 485 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTOPRKTKSGSFFVFSRLEVTRAWEQKDEF 544  
 DB 344 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTOPRKTKSGSFFVFSRLEVTRAWEQKDEF 403

## RESULT 8

US-09-949-375A-7

; Sequence 7, Application US/09949375A

QY 485 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTOPRKTKSGSFFVFSRLEVTRAWEQKDEF 544  
 DB 344 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTOPRKTKSGSFFVFSRLEVTRAWEQKDEF 403  
 QY 545 ICRAVHEAASPSQTVQRAVSNPGK 569  
 DB 404 ICRAVHEAASPSQTVQRAVSNPGK 428  
 RESULT 7  
 US-10-047-542-60  
 ; Sequence 60, Application US/10047542  
 ; Publication No. US20020168367A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: LARRICK, JAMES W.  
 ; APPLICANT: WYCORP, KEITH L.  
 ; TITLE OF INVENTION: NOVEL IMMUNODRUGS FOR TREATING AND PREVENTING VIRAL  
 ; TITLE OF INVENTION: AND BACTERIAL DISEASES  
 ; FILE REFERENCE: 030905.0004.CIP1  
 ; CURRENT APPLICATION NUMBER: US/10/047,542  
 ; CURRENT FILING DATE: 2001-10-26  
 ; PRIOR APPLICATION NUMBER: PCT/US01/13932  
 ; PRIOR FILING DATE: 2001-04-28  
 ; PRIOR APPLICATION NUMBER: 60/200,298  
 ; PRIOR FILING DATE: 2000-04-28  
 ; NUMBER OF SEQ ID NOS: 101  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 60  
 ; LENGTH: 428  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-047-542-60

Query Match 57.7%; Score 1766; DB 13; Length 428;  
 Best Local Similarity 78.0%; Pred. No. 1.6e-116;  
 Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY 129 REPQVYTLPPSRDELTKNQVSLT--CLYKGFVPSDIWESNGOPENNYKTP-PVLDS 185  
 DB 4 QSPSVFPLTRCCKNIPSNATSVTLGCLATGYPEPVMTWDT-GSLNGTTMTLPAITLTL 62  
 QY 186 VGSFFLYSLKLTVDKSRWQGNVFCSVMEALHNNY-QORSLSLSPGKVEGGGGGGGS 244  
 DB 63 SGHYATISLLTV-SGAWAK-QMFTCRVAHTPSSTDWVNDKTFVC----- 105  
 QY 245 GGGGFTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTA 304  
 DB 106 --SRDFTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTA 163  
 QY 305 STTQEGELASTQSELTLSQKHWLSRDTYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSR 364  
 DB 164 STTQEGELASTQSELTLSQKHWLSRDTYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSR 223  
 QY 365 PSPFDLIRKSPITITCLVVDLAPSKGTVNLWTSRASKPVPNHSTRKEKQNGTLTVTST 424  
 DB 224 PSPFDLIRKSPITITCLVVDLAPSKGTVNLWTSRASKPVPNHSTRKEKQNGTLTVTST 283  
 QY 425 LPVGTDMIEGETYQCRVTHPLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 484  
 DB 284 LPVGTDMIEGETYQCRVTHPLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 343  
 QY 485 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTOPRKTKSGSFFVFSRLEVTRAWEQKDEF 544  
 DB 344 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTOPRKTKSGSFFVFSRLEVTRAWEQKDEF 403  
 QY 545 ICRAVHEAASPSQTVQRAVSNPGK 569  
 DB 404 ICRAVHEAASPSQTVQRAVSNPGK 428



Query Match	57.4%;	Score 1755;	DB 9;	Length 441;
Best Local Similarity	77.9%;	Pred. No. 1e-115;		
Matches 345;	Conservative 17;	Mismatches 57;	Indels 24;	Gaps 7
Qy	129	REPQVTLPPSRDELTKNOVSLT-CLVKGYPSDIAVEMESNGQPPENNYKTP-FVLDS	185	
Db	4	QGESVEPLTRCKNPISNATSVTLGCLATGYPPFPVWVWDT-GSLNGTMTLPATLTL	62	
Qy	186	VGSFFLYSKLTVDKRWQGNVFGSCVMHEALHNHY-QQRSLSPGKVEGGGGGGGS	244	

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Db 301 HEAASPSQTVQRAVSNPGK 320
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RESULT 10
US-10-000-439-6
; Sequence 6, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; TITLE OF INVENTION: TREATMENT OF IMMUNE DISEASES
; FILE REFERENCE: UC067.004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-000-439-6

Query Match 55.8%; Score 1707; DB 12; Length 320;
Best Local Similarity 100.0%; Pred. No. 1.6e-112;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 250 FTPTVKILQSSCDGGHPPPTIQLLCLVSGYTPGTINITWLEDGQVMDVLDSTASTTQE 309
Db 1 FTPTVKILQSSCDGGHPPPTIQLLCLVSGYTPGTINITWLEDGQVMDVLDSTASTTQE 60
QY 310 GELASTQSELTLSQKHWLSDRTYTCQVYQGHTEFSDTKKCADSNPRGVSAYLSRSPFD 369
Db 61 GELASTQSELTLSQKHWLSDRTYTCQVYQGHTEFSDTKKCADSNPRGVSAYLSRSPFD 120
QY 370 LFIKSPITITCLVVDLAPSKGTVNLTSRASGKPVNHSRKEEKQKNGTLTSTLPVGT 429
Db 121 LFIKSPITITCLVVDLAPSKGTVNLTSRASGKPVNHSRKEEKQKNGTLTSTLPVGT 180
QY 430 RDMIEGETYOCRVTHPLPALMRSTTKTSGPRAAPEVYAFATPEWPSGRDKRTLACLIQ 489
Db 181 RDMIEGETYOCRVTHPLPALMRSTTKTSGPRAAPEVYAFATPEWPSGRDKRTLACLIQ 240
QY 490 NFMPEDISVQWLHNEVQLPDARHSTTQPKTKGSGFFVFSRLVTRAEWEQKDEFICRAV 549
Db 241 NFMPEDISVQWLHNEVQLPDARHSTTQPKTKGSGFFVFSRLVTRAEWEQKDEFICRAV 300
QY 550 HEAASPSQTVQRAVSNPGK 569
Db 301 HEAASPSQTVQRAVSNPGK 320
|||||

RESULT 11
US-09-949-375A-2
; Sequence 2, Application US/09949375A
; Patent No. US20020172673A1
; GENERAL INFORMATION:
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 3631-0111P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 323
; TYPE: PRT
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (8)..(103)

; OTHER INFORMATION: Human IgE heavy chain C2 domain
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (112)..(211)
; OTHER INFORMATION: Human IgE heavy chain C3 domain
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (216)..(317)
; OTHER INFORMATION: Human IgE heavy chain C4 domain
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (104)..(111)
; OTHER INFORMATION: Linker between domains C2 and C3
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (212)..(215)
; OTHER INFORMATION: Linker between domains C3 and C4
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (100)..(114)
; OTHER INFORMATION: Epitope including C2C3 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (210)..(218)
; OTHER INFORMATION: Epitope including C3C4 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (139)..(145)
; OTHER INFORMATION: Epitope in BC loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (167)..(175)
; OTHER INFORMATION: Epitope in DE loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (196)..(206)
; OTHER INFORMATION: Epitope in FG loop
US-09-949-375A-2

Query Match 55.8%; Score 1707; DB 9; Length 323;
Best Local Similarity 100.0%; Pred. No. 1.7e-112;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 250 FTPTVKILQSSCDGGHPPPTIQLLCLVSGYTPGTINITWLEDGQVMDVLDSTASTTQE 309
Db 4 FTPTVKILQSSCDGGHPPPTIQLLCLVSGYTPGTINITWLEDGQVMDVLDSTASTTQE 63
QY 310 GELASTQSELTLSQKHWLSDRTYTCQVYQGHTEFSDTKKCADSNPRGVSAYLSRSPFD 369
Db 64 GELASTQSELTLSQKHWLSDRTYTCQVYQGHTEFSDTKKCADSNPRGVSAYLSRSPFD 123
QY 370 LFIKSPITITCLVVDLAPSKGTVNLTSRASGKPVNHSRKEEKQKNGTLTSTLPVGT 429
Db 124 LFIKSPITITCLVVDLAPSKGTVNLTSRASGKPVNHSRKEEKQKNGTLTSTLPVGT 183
QY 430 RDMIEGETYOCRVTHPLPALMRSTTKTSGPRAAPEVYAFATPEWPSGRDKRTLACLIQ 489
Db 184 RDMIEGETYOCRVTHPLPALMRSTTKTSGPRAAPEVYAFATPEWPSGRDKRTLACLIQ 243
QY 490 NFMPEDISVQWLHNEVQLPDARHSTTQPKTKGSGFFVFSRLVTRAEWEQKDEFICRAV 549
Db 244 NFMPEDISVQWLHNEVQLPDARHSTTQPKTKGSGFFVFSRLVTRAEWEQKDEFICRAV 303
QY 550 HEAASPSQTVQRAVSNPGK 569
Db 304 HEAASPSQTVQRAVSNPGK 323
|||||

RESULT 12
US-09-949-375A-4
; Sequence 4, Application US/09949375A
; Patent No. US20020172673A1
; GENERAL INFORMATION:
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```
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 3631-0111P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial amino acid sequence of SEQ ID NO: 3.
US-09-949-375A-4

Query Match      55.8%; Score 1707; DB 9; Length 323;
Best Local Similarity 100.0%; Pred. No. 1.7e-112;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

250 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTQ 309
4 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTQ 63
310 GELASTQSELTLSQKHWSLDRITYTCQVYQGHFTFEDSTKCADSNPRGVSAYLSRSP 369
64 GELASTQSELTLSQKHWSLDRITYTCQVYQGHFTFEDSTKCADSNPRGVSAYLSRSP 123
370 LFIKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKQKNGTLTSTLPGVT 429
124 LFIKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKQKNGTLTSTLPGVT 183
430 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 489
184 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 243
490 NMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLVTRAEWEQKDEFICRAV 549
244 NMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLVTRAEWEQKDEFICRAV 303
550 HEAASPSQTVQRAVSNPCK 569
304 HEAASPSQTVQRAVSNPCK 323

RESULT 14
US-09-401-636-1
; Sequence 1, Application US/09401636
; Patent No. US20010038843A1
; GENERAL INFORMATION:
; APPLICANT: Hellman, Lars T.
; TITLE OF INVENTION: ENHANCED VACCINES
; FILE REFERENCE: 10223/006001
; CURRENT APPLICATION NUMBER: US/09/401,636
; CURRENT FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: US 60/106,652
; PRIOR FILING DATE: 1998-11-02
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetically generated proteins
US-09-401-636-1

Query Match      55.8%; Score 1707; DB 9; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.7e-112;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

250 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTQ 309
12 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTQ 71
310 GELASTQSELTLSQKHWSLDRITYTCQVYQGHFTFEDSTKCADSNPRGVSAYLSRSP 369
72 GELASTQSELTLSQKHWSLDRITYTCQVYQGHFTFEDSTKCADSNPRGVSAYLSRSP 131
370 LFIKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKQKNGTLTSTLPGVT 429
132 LFIKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKQKNGTLTSTLPGVT 191
430 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 489
192 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 251
490 NMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLVTRAEWEQKDEFICRAV 549
252 NMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLVTRAEWEQKDEFICRAV 311
550 HEAASPSQTVQRAVSNPCK 569
312 HEAASPSQTVQRAVSNPCK 331

RESULT 15
US-10-176-664-1

; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 3631-0111P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial amino acid sequence of SEQ ID NO: 3.
US-09-949-375A-6

Query Match      55.8%; Score 1707; DB 9; Length 323;
Best Local Similarity 100.0%; Pred. No. 1.7e-112;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

250 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTQ 309
4 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTQ 63
310 GELASTQSELTLSQKHWSLDRITYTCQVYQGHFTFEDSTKCADSNPRGVSAYLSRSP 369
64 GELASTQSELTLSQKHWSLDRITYTCQVYQGHFTFEDSTKCADSNPRGVSAYLSRSP 123
370 LFIKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKQKNGTLTSTLPGVT 429
124 LFIKSPITICLVVDLAPSKGTNLTWSRASKGPNVHSTRKEEKQKNGTLTSTLPGVT 183
430 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 489
184 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 243
490 NMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLVTRAEWEQKDEFICRAV 549
244 NMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLVTRAEWEQKDEFICRAV 303
550 HEAASPSQTVQRAVSNPCK 569
304 HEAASPSQTVQRAVSNPCK 323

RESULT 13
US-09-949-375A-6
; Sequence 6, Application US/09949375A
; Patent No. US20020172673A1
; GENERAL INFORMATION:
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 3631-0111P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial amino acid sequence of SEQ ID NO: 5.
US-09-949-375A-6

Query Match      55.8%; Score 1707; DB 9; Length 323;
Best Local Similarity 100.0%; Pred. No. 1.7e-112;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

250 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTQ 309
4 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVLDLSTASTQ 63
310 GELASTQSELTLSQKHWSLDRITYTCQVYQGHFTFEDSTKCADSNPRGVSAYLSRSP 369
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; Sequence 1, Application US/10176664
; Publication No. US20030031663A1
; GENERAL INFORMATION:
; APPLICANT: Hellman, Lars T.
; TITLE OF INVENTION: ENHANCED VACCINES
; FILE REFERENCE: 10223/006001
; CURRENT APPLICATION NUMBER: US/10/176,664
; CURRENT FILING DATE: 2002-06-19
; PRIOR APPLICATION NUMBER: US/09/401,636
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: US 60/106,652
; PRIOR FILING DATE: 1998-11-02
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetically generated proteins
; US-10-176-664-1

Query Match          55.8%; Score 1707; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.7e-112; Indels 0; Gaps 0;
Matches 320; Conservative 0; Mismatches 0;

QY 250 FTPPTVKILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVDLSTASTTQE 309
Db 12 FTPPTVKILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVDLSTASTTQE 71
QY 310 GELASTQSELTLSQKHWLSDRTYTCQVYQCHTFEDSTKKCADSNPRGVSAYLSRPSFD 369
Db 72 GELASTQSELTLSQKHWLSDRTYTCQVYQCHTFEDSTKKCADSNPRGVSAYLSRPSFD 131
QY 370 LFIKKSPTITCLVVDLAPSKGTVNLTSRASGKPNVNSHSTRKEEKORNGTLITVSTLPVGT 429
Db 132 LFIKKSPTITCLVVDLAPSKGTVNLTSRASGKPNVNSHSTRKEEKORNGTLITVSTLPVGT 191
QY 430 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 489
Db 192 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 251
QY 490 NFMPEDISVQWLHNEVQLPDARHSTTPQPKTKGSGFFVPSRLLEVTRAWEQKDEFICRAV 549
Db 252 NFMPEDISVQWLHNEVQLPDARHSTTPQPKTKGSGFFVPSRLLEVTRAWEQKDEFICRAV 311
QY 550 HEAASPSQTVQRAVSNPCK 569
Db 312 HEAASPSQTVQRAVSNPCK 331
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Search completed: August 18, 2004, 01:28:16  
Job time : 51 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: August 18, 2004, 01:12:44 ; Search time 19 Seconds  
(without alignments)  
869.490 Million cell updates/sec

Title: US-09-847-208B-6

Perfect score: 1707

Sequence: 1 FTPTVKILQSSCGGHP.....HEAASPTVQRAVSNPK 320

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 33516

Minimum DB seq length: 0

Maximum DB seq length: 320

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:\*  
1: /cgn2\_6/ptodata/2/iaa/5A COMB.pep.\*  
2: /cgn2\_6/ptodata/2/iaa/5B COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/6A COMB.pep.\*  
4: /cgn2\_6/ptodata/2/iaa/6B COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PCTUS COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	597	35.0	113	2	US-08-232-539D-56
2	587	34.4	110	1	US-08-399-106A-6
3	587	34.4	110	1	US-08-433-105A-6
4	587	34.4	110	2	US-08-434-869A-6
5	581	34.0	109	1	US-08-037-579A-2
6	581	34.0	109	3	US-08-601-184-2
7	566.5	33.2	109	4	US-08-466-163B-1
8	566.5	33.2	109	4	US-08-802-096-1
9	556	32.6	106	2	US-08-232-539D-54
10	526	30.8	119	2	US-08-464-025A-1
11	508.5	29.8	118	3	US-08-466-151-1
12	416.5	24.4	320	3	US-08-579-940-8
13	356	20.9	235	3	US-09-131-247-6
14	356	20.9	247	4	US-09-428-082B-12
15	356	20.9	269	4	US-09-428-082B-10
16	355	20.8	253	4	US-09-428-082B-18
17	355	20.8	277	4	US-09-428-082B-20
18	354	20.7	316	3	US-09-178-869-4
19	354	20.7	316	4	US-09-761-413-4
20	352	20.6	228	4	US-09-428-082B-2
21	352	20.6	228	4	US-09-847-249A-2
22	352	20.6	229	4	US-09-122-144-2
23	352	20.6	232	2	US-08-595-043A-50
24	352	20.6	243	4	US-09-428-082B-1068
25	352	20.6	247	4	US-09-428-082B-6
26	352	20.6	248	4	US-09-428-082B-1056
27	352	20.6	248	4	US-09-428-082B-1058

28 352 20.6 248 4 US-09-428-082B-1060  
29 352 20.6 248 4 US-09-428-082B-1062  
30 352 20.6 250 4 US-09-428-082B-1070  
31 352 20.6 252 4 US-09-428-082B-1064  
32 352 20.6 252 4 US-09-428-082B-1066  
33 352 20.6 253 4 US-09-428-082B-16  
34 352 20.6 268 4 US-09-428-082B-8  
35 352 20.6 277 4 US-09-428-082B-22  
36 349 20.4 232 3 US-08-996-139-8  
37 349 20.4 232 3 US-08-995-659-8  
38 349 20.4 232 3 US-09-215-649A-8  
39 349 20.4 232 4 US-09-577-780-8  
40 349 20.4 232 4 US-09-577-800-8  
41 349 20.4 232 4 US-09-466-496-8  
42 349 20.4 232 4 US-09-871-856-8  
43 349 20.4 232 4 US-09-871-291-8  
44 349 20.4 232 4 US-09-877-650-8  
45 347 20.3 232 1 US-07-797-556-4

#### ALIGNMENTS

#### RESULT 1

US-08-232-539D-56  
; Sequence 56, Application US/08232539D  
; Patent No. 5965709  
; GENERAL INFORMATION:  
; APPLICANT: Presta, Leonard G.  
; APPLICANT: Jardieu, Paula M.  
; TITLE OF INVENTION: IGE Antagonists  
; NUMBER OF SEQUENCES: 60  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 1 DNA Way  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: WinPatIn (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/232,539D  
; FILING DATE: 21-Apr-1994  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/178583  
; FILING DATE: 07-JAN-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/744768  
; FILING DATE: 14-AUG-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Svoboda, Craig G.  
; REGISTRATION NUMBER: 39,044  
; REFERENCE/DOCKET NUMBER: P0718P3  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650/225-1489  
; TELEFAX: 650/952-9881  
; INFORMATION FOR SEQ ID NO: 56:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 113 amino acids  
; TYPE: Amino Acid  
; TOPOLOGY: Linear  
US-08-232-539D-56

Query Match 35.0%; Score 597; DB 2; Length 113;  
Best Local Similarity 100.0%; Pred. No. 5.1e-50;  
Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 101 CADSPRGVAVLSRSPFDLFIKSPITICLVLDAPSKGVNLTWBSAGKPVNHSTR 160

Db 1 CADSNPRGVSAVLSRSPFDLIRKSPITCLVLDLAPSKGTVNLTWBRASGKPVNHSR 60  
QY 161 KEEKQRNGTLTSTLPVGTWRDMEGETYQCRVTHPHLPRLMRSTTTKSGP 212  
Db 61 KEEKQRNGTLTSTLPVGTWRDMEGETYQCRVTHPHLPRLMRSTTTKSGP 112

## RESULT 2

US-08-399-106A-6  
; Sequence 6, Application US/08399106A  
; Patent No. 5731168  
; GENERAL INFORMATION:  
; APPLICANT: Carter, Paul J.  
; APPLICANT: Presta, Leonard G.  
; APPLICANT: Ridgway, John B.  
; TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC  
; TITLE OF INVENTION: POLYPEPTIDES  
; NUMBER OF SEQUENCES: 16  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Winpatin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/399,106A  
; FILING DATE: 01-Mar-1995  
; CLASSIFICATION: 424  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lee, Wendy M.  
; REGISTRATION NUMBER: 00,000  
; REFERENCE/DOCKET NUMBER: P0927  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415/225-9881  
; TELEFAX: 415/952-9881  
; TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 110 amino acids  
; TYPE: Amino Acid  
; TOPOLOGY: Linear  
US-08-399-106A-6

Query Match 34.4%; Score 587; DB 1; Length 110;  
Best Local Similarity 100.0%; Pred. No. 4.5e-49;  
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 211 GPRAAPEVFAFATPEWPGSRDKRTLACLIONFMPEDISVQWLHNEVQLPDARHSTTPRK 270  
Db 1 GPRAAPEVFAFATPEWPGSRDKRTLACLIONFMPEDISVQWLHNEVQLPDARHSTTPRK 60  
QY 271 TKSGGFVFSRLVTRAEWEQKDEFICRAVHEAASPSQTVQRAVSNPGK 320  
Db 61 TKSGGFVFSRLVTRAEWEQKDEFICRAVHEAASPSQTVQRAVSNPGK 110

## RESULT 3

US-08-433-105A-6  
; Sequence 6, Application US/08433105A  
; Patent No. 5807706  
; GENERAL INFORMATION:  
; APPLICANT: Carter, Paul J.  
; APPLICANT: Presta, Leonard G.  
; APPLICANT: Ridgway, John B.  
; TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC POLYPEPTIDES  
; NUMBER OF SEQUENCES: 16

; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Winpatin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/433,105A  
; FILING DATE: 03-May-1995  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/399106  
; FILING DATE: 01-Mar-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lee, Wendy M.  
; REGISTRATION NUMBER: 00,000  
; REFERENCE/DOCKET NUMBER: P0927D2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415/225-1994  
; TELEFAX: 415/952-9881  
; TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 110 amino acids  
; TYPE: Amino Acid  
; TOPOLOGY: Linear  
US-08-433-105A-6  
Query Match 34.4%; Score 587; DB 1; Length 110;  
Best Local Similarity 100.0%; Pred. No. 4.5e-49;  
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 211 GPRAAPEVFAFATPEWPGSRDKRTLACLIONFMPEDISVQWLHNEVQLPDARHSTTPRK 270  
Db 1 GPRAAPEVFAFATPEWPGSRDKRTLACLIONFMPEDISVQWLHNEVQLPDARHSTTPRK 60  
QY 271 TKSGGFVFSRLVTRAEWEQKDEFICRAVHEAASPSQTVQRAVSNPGK 320  
Db 61 TKSGGFVFSRLVTRAEWEQKDEFICRAVHEAASPSQTVQRAVSNPGK 110

## RESULT 4

US-08-434-869A-6  
; Sequence 6, Application US/08434869A  
; Patent No. 5821333  
; GENERAL INFORMATION:  
; APPLICANT: Carter, Paul J.  
; APPLICANT: Presta, Leonard G.  
; APPLICANT: Ridgway, John B.  
; TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC POLYPEPTIDES  
; NUMBER OF SEQUENCES: 16  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Winpatin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/434,869A  
; FILING DATE: 03-May-1995  
; CLASSIFICATION: 424

PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/399106  
; FILING DATE: 01-MAR-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lee, Wendy M.  
; REGISTRATION NUMBER: 00,000  
; REFERENCE/DOCKET NUMBER: P0927D1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415/225-1994  
; TELEFAX: 415/953-9881  
; TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 110 amino acids  
; TYPE: Amino Acid  
; TOPOLOGY: Linear  
; US-08-434-869A-6

Query Match 34.4%; Score 587; DB 2; Length 110;  
Best Local Similarity 100.0%; Pred. No. 4.5e-49;  
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 211 GPRAAPVYAFATPEWPGSRDKRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRK 270  
Db 1 GPRAAPVYAFATPEWPGSRDKRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRK 60

QY 271 TKGSGFFVFSRLEVTAEWEQKDEFICRAVHAEASPSQTVQRAVSNPGK 320  
Db 61 TKGSGFFVFSRLEVTAEWEQKDEFICRAVHAEASPSQTVQRAVSNPGK 110

RESULT 5  
US-08-037-579A-2  
; Sequence 2, Application US/08037579A  
; Patent No. 5552537  
; GENERAL INFORMATION:  
; APPLICANT: Zhang, Ke  
; APPLICANT: Max, Edward E  
; APPLICANT: Saxon, Andrew  
; TITLE OF INVENTION: IGE ISOFORMS AND METHODS OF USE  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT  
; STREET: 4 Embarcadero Center, Suite 3400  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-4187  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/037,579A  
; FILING DATE: 24-MAR-1993  
; CLASSIFICATION: 424  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Rowland, Bertram I  
; REGISTRATION NUMBER: 20,015  
; REFERENCE/DOCKET NUMBER: A-57950/BIR UCLA-233  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 781-1989  
; TELEFAX: (415) 398-3249  
; TELEX: 910 277299 FHT UR  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 109 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-037-579A-2

Query Match 34.0%; Score 581; DB 1; Length 109;  
Best Local Similarity 100.0%; Pred. No. 1.7e-48;  
Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 PRAAPEVYAFATPEWPGSRDKRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKT 271  
Db 1 PRAAPEVYAFATPEWPGSRDKRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKT 60

QY 272 KSGGFFVFSRLEVTAEWEQKDEFICRAVHAEASPSQTVQRAVSNPGK 320  
Db 61 KSGGFFVFSRLEVTAEWEQKDEFICRAVHAEASPSQTVQRAVSNPGK 109

RESULT 6  
US-08-601-184-2  
; Sequence 2, Application US/08601184  
; Patent No. 6043345  
; GENERAL INFORMATION:  
; APPLICANT: Zhang, Ke  
; APPLICANT: Max, Edward E  
; APPLICANT: Saxon, Andrew  
; TITLE OF INVENTION: IGE ISOFORMS AND METHODS OF USE  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT  
; STREET: 4 Embarcadero Center, Suite 3400  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-4187  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/601,184  
; FILING DATE:  
; CLASSIFICATION: 530  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sherwood, Pamela J.  
; REGISTRATION NUMBER: 36,677  
; REFERENCE/DOCKET NUMBER: A-57950-1/PJS UCLA233-1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 494-8700  
; TELEFAX: (415) 494-8771  
; TELEX: 910 277299 FHT UR  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 109 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-601-184-2

Query Match 34.0%; Score 581; DB 3; Length 109;  
Best Local Similarity 100.0%; Pred. No. 1.7e-48;  
Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 PRAAPEVYAFATPEWPGSRDKRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKT 271  
Db 1 PRAAPEVYAFATPEWPGSRDKRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKT 60

QY 272 KSGGFFVFSRLEVTAEWEQKDEFICRAVHAEASPSQTVQRAVSNPGK 320  
Db 61 KSGGFFVFSRLEVTAEWEQKDEFICRAVHAEASPSQTVQRAVSNPGK 109

RESULT 7  
US-08-466-163B-1  
; Sequence 1, Application US/08466163B  
; Patent No. 6329509  
; GENERAL INFORMATION:

APPLICANT: Jardieu, Paula M.  
APPLICANT: Presta, Leonard G.  
TITLE OF INVENTION: Immunoglobulin Variants  
FILE REFERENCE: P0718P2C1D1  
CURRENT APPLICATION NUMBER: US/08/466,163B  
CURRENT FILING DATE: 1995-06-06  
PRIOR APPLICATION NUMBER: US 08/405,617  
PRIOR FILING DATE: 1995-03-15  
PRIOR APPLICATION NUMBER: US 08/185,899  
PRIOR FILING DATE: 1994-01-26  
PRIOR APPLICATION NUMBER: US 07/879,495  
PRIOR FILING DATE: 1992-05-07  
PRIOR APPLICATION NUMBER: US 07/744,768  
PRIOR FILING DATE: 1991-08-14  
NUMBER OF SEQ ID NOS: 64  
SEQ ID NO 1  
LENGTH: 109  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-08-466-163B-1

Query Match 33.2%; Score 566.5; DB 4; Length 109;  
Best Local Similarity 99.1%; Pred. No. 4.2e-47;  
Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;  
QY 103 DSNPRGVSAAYLSRPSPPDLFIKSPITITCLVVDLAPSKGTNLTWSRAGKPVNHSTRKE 162  
DB 1 DSNPRGVSAAYLSRPSPPDLFIKSPITITCLVVDLAPSKGTNLTWSRAGKPVNHSTRKE 60  
QY 163 EKQRNGTLTSTLPVGTDRDWEGETYQCRVTHPHLPRALMRSTTKTSGP 212  
DB 61 EKQRNGTLTSTLPVGTDRDWEGETYQCRVTHPHLPRALMRSTTKTSGP 109

## RESULT 8

US-09-802-096-1  
Sequence 1, Application US/09802096  
Patent No. 6685939  
GENERAL INFORMATION:  
APPLICANT: Jardieu, Paula M.  
APPLICANT: Presta, Leonard G.  
TITLE OF INVENTION: Method of Preventing the Onset of Allergic Disorders (as amended)  
FILE REFERENCE: P0718P2C3US  
CURRENT APPLICATION NUMBER: US/09/802,096  
CURRENT FILING DATE: 2001-03-08  
PRIOR APPLICATION NUMBER: US 08/405,617  
PRIOR FILING DATE: 1995-03-15  
PRIOR APPLICATION NUMBER: US 08/185,899  
PRIOR FILING DATE: 1994-01-26  
PRIOR APPLICATION NUMBER: PCT/US92/06860  
PRIOR FILING DATE: 1992-08-14  
PRIOR APPLICATION NUMBER: US 07/879,495  
PRIOR FILING DATE: 1992-05-07  
PRIOR APPLICATION NUMBER: US 07/744,768  
PRIOR FILING DATE: 1991-08-14  
NUMBER OF SEQ ID NOS: 64  
SEQ ID NO 1  
LENGTH: 109  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-802-096-1

Query Match 33.2%; Score 566.5; DB 4; Length 109;  
Best Local Similarity 99.1%; Pred. No. 4.2e-47;  
Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;  
QY 103 DSNPRGVSAAYLSRPSPPDLFIKSPITITCLVVDLAPSKGTNLTWSRAGKPVNHSTRKE 162  
DB 1 DSNPRGVSAAYLSRPSPPDLFIKSPITITCLVVDLAPSKGTNLTWSRAGKPVNHSTRKE 60  
QY 163 EKQRNGTLTSTLPVGTDRDWEGETYQCRVTHPHLPRALMRSTTKTSGP 212  
DB 61 EKQRNGTLTSTLPVGTDRDWEGETYQCRVTHPHLPRALMRSTTKTSGP 109

## RESULT 9

US-08-232-539D-54  
Sequence 54, Application US/08232539D  
Patent No. 5965709  
GENERAL INFORMATION:  
APPLICANT: Presta, Leonard G.  
APPLICANT: Jardieu, Paula M.  
TITLE OF INVENTION: Ige Antagonists  
NUMBER OF SEQUENCES: 60  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 1 DNA Way  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WinPatIn (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/232,539D  
FILING DATE: 21-Apr-1994  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/178583  
FILING DATE: 07-JAN-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744768  
FILING DATE: 14-AUG-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Svoboda, Craig G.  
REGISTRATION NUMBER: 39,044  
REFERENCE/DOCKET NUMBER: P0718P3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650/225-1489  
TELEFAX: 650/952-9881  
INFORMATION FOR SEQ ID NO: 54:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 106 amino acids  
TYPE: Amino Acid  
TOPOLOGY: Linear  
US-08-232-539D-54

Query Match 32.6%; Score 556; DB 2; Length 106;  
Best Local Similarity 100.0%; Pred. No. 4.2e-46;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 108 GVSAYLSRPSPPDLFIKSPITITCLVVDLAPSKGTNLTWSRAGKPVNHSTRKEKQBN 167  
DB 1 GVSAYLSRPSPPDLFIKSPITITCLVVDLAPSKGTNLTWSRAGKPVNHSTRKEKQBN 60  
QY 168 GTLTVTSTLPVGTDRDWEGETYQCRVTHPHLPRALMRSTTKTSGP 212  
DB 61 GTLTVTSTLPVGTDRDWEGETYQCRVTHPHLPRALMRSTTKTSGP 105

## RESULT 10

US-08-464-025A-1  
Sequence 1, Application US/08464025A  
Patent No. 5994514  
GENERAL INFORMATION:  
APPLICANT: Jardieu et al.  
TITLE OF INVENTION: IMMUNOGLOBULIN VARIANTS  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 1 DNA Way  
CITY: South San Francisco  
STATE: California



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; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/464,025A
; FILING DATE: 05-Jun-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Svoboda, Craig G.
; REGISTRATION NUMBER: 39,044
; REFERENCE/DOCKET NUMBER: P0718C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1489
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; US-08-464-025A-1

Query Match 30.8%; Score 526; DB 2; Length 119;
Best Local Similarity 90.7%; Pred. No. 3.8e-43;
Matches 107; Conservative 1; Mismatches 2; Indels 8; Gaps 4;

QY 103 DSNPRGVSAVLSRSPFD-LFIRKSPITICLVVDLAPSKGTVNLTSRAS---GKPVNHS 158
Db 2 DSNPRGVSAVLSRSPFDXLFIRKSPITICLVVDLAPSKGTVNLTSRXXGKPVNHS 61

QY 159 TRKEEKQKQ---NGTLVTSTLPVGRDWMIEGTYQCRVTHPHLPAL-MRSTTKTSGP 212
Db 62 TRKEEKQKXNXXGTLVTSTLPVGRDWMIEGTYQCRVTHPHLPALXMRSTTKTSGP 119

RESULT 11
US-08-466-151-1
; Sequence 1, Application US/08466151
; Patent No. 6037453
; GENERAL INFORMATION:
; APPLICANT: Jardieu, Paula M.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Immunoglobulin Variants
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,151
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/466163
; FILING DATE: 06-Jun-1995
; APPLICATION NUMBER: 08/405617
; FILING DATE: 15-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/185899
; FILING DATE: 26-JAN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/879495

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; FILING DATE: 07-MAY-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744768
; FILING DATE: 14-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Svoboda, Craig G.
; REGISTRATION NUMBER: 39,044
; REFERENCE/DOCKET NUMBER: P0718P2C1D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1489
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 118 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; US-08-466-151-1

Query Match 29.8%; Score 508.5; DB 3; Length 118;
Best Local Similarity 89.8%; Pred. No. 1.8e-41;
Matches 106; Conservative 1; Mismatches 2; Indels 9; Gaps 5;

QY 103 DSNPRGVSAVLSRSPFD-LFIRKSPITICLVVDLAPSKGTVNLTSRAS---GKPVNHS 158
Db 2 DSNPRGVSAVLSRSPFDXLFIRKSPITICLVVDLAPSKGTVNLTSRXXGKPVNHS 61

QY 159 TRKEEKQKQ---NGTLVTSTLPVGRDWMIEGTYQCRVTHPHLPAL-MRSTTKTSGP 212
Db 62 TRKEEKQKXNXXGTLVTSTLPVGRDWMIEGTYQCRVTHPHLPALXMRSTTKTSGP 118

RESULT 12
US-08-579-940-8
; Sequence 8, Application US/08579940
; Patent No. 5977315
; GENERAL INFORMATION:
; APPLICANT: Chatterjee, Malaya
; APPLICANT: Kohler, Heinz
; APPLICANT: Foon, Kenneth A.
; APPLICANT: Chatterjee, Sunil K.
; TITLE OF INVENTION: MURINE MONOCLONAL ANTI-IDIOTYPE ANTIBODY
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 Page Mill Road
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/579,940
; FILING DATE: 28-DEC-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Monroy, Gladys H.
; REGISTRATION NUMBER: 32,430
; REFERENCE/DOCKET NUMBER: 30414-20001.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 813-5600
; TELEFAX: (415) 494-0792
; TELEX: 706441
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 320 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear

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RESULT 15  
US-09-428-092B-10  
; Sequence 10, Application US/09428082B  
; Patent No. 6660843  
; GENERAL INFORMATION:  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: LIU, CHUAN-PA  
; APPLICANT: CHEETHAM, JANET C.  
; APPLICANT: BOONE, THOMAS CHARLES  
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
; FILE REFERENCE: A-527  
; CURRENT APPLICATION NUMBER: US/09/428,082B  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/105,371





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OM protein - protein search, using sw model

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Title: US-09-847-208B-6

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Searched: 1292805 seqs, 313927144 residues

Total number of hits satisfying chosen parameters: 933824

Minimum DB seq length: 0

Maximum DB seq length: 320

Post-processing: Minimum Match 0%

Maximum Match 100%

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Database : Published Applications AA:\*

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- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.psp:\*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	1707	100.0	320	12	US-10-000-439-6
3	1171	68.6	220	16	US-10-704-406-3
4	1158	67.8	222	9	US-09-809-746-2
5	1158	67.8	222	10	US-09-809-715-6
6	1158	67.8	222	15	US-10-704-406-2
7	1011.5	59.3	236	14	US-10-152-190-9
8	602	35.3	115	14	US-10-152-190-4
9	581	34.0	109	14	US-10-214-524-41
10	570	33.4	107	14	US-10-214-524-42
11	566.5	33.2	109	9	US-09-802-077-1
12	566.5	33.2	109	9	US-09-802-096-1
13	566.5	33.2	109	10	US-09-925-179-1
14	554	32.5	129	14	US-10-152-190-6
15	551	32.3	108	14	US-10-152-190-8

Sequence 7, Appli	128	14	US-10-152-190-7	
Sequence 3, Appli	115	14	US-10-152-190-3	
Sequence 2, Appli	117	14	US-10-152-190-2	
Sequence 8, Appli	320	9	US-09-797-481-8	
Sequence 33, Appli	234	14	US-10-292-418-33	
Sequence 43, Appli	332	22.5	14	US-10-214-524-43
Sequence 1, Appli	71	14	US-10-152-190-1	
Sequence 31, Appli	114	14	US-10-152-363A-31	
Sequence 33, Appli	251	14	US-10-152-363A-33	
Sequence 28, Appli	251	14	US-10-008-063-28	
Sequence 32, Appli	232	14	US-10-008-063-32	
Sequence 124, App	232	14	US-10-145-206-124	
Sequence 29, Appli	293	14	US-10-152-363A-29	
Sequence 39, Appli	251	14	US-10-152-363A-39	
Sequence 35, Appli	251	14	US-10-152-363A-35	
Sequence 118, App	250	14	US-10-145-206-118	
Sequence 123, App	252	14	US-10-145-206-123	
Sequence 3, Appli	293	14	US-10-466-593-3	
Sequence 6, Appli	228	9	US-09-784-623-6	
Sequence 12, Appli	235	9	US-10-609-217-12	
Sequence 12, Appli	247	12	US-10-632-388-12	
Sequence 12, Appli	247	12	US-10-651-723-12	
Sequence 12, Appli	247	12	US-10-645-761-12	
Sequence 12, Appli	247	16	US-10-666-696-12	
Sequence 12, Appli	247	16	US-10-653-048-12	
Sequence 10, Appli	247	12	US-10-609-217-10	
Sequence 10, Appli	269	12	US-10-632-388-10	
Sequence 10, Appli	269	12	US-10-651-723-10	
Sequence 10, Appli	269	12	US-10-645-761-10	
Sequence 10, Appli	269	16	US-10-666-696-10	

ALIGNMENTS

RESULT 1  
US-09-847-208-6  
; Sequence 6, Application US/09847208  
; Publication No. US20030082190A1  
; GENERAL INFORMATION:  
; APPLICANT: Saxon, Andrew  
; APPLICANT: Zhang, Ke  
; APPLICANT: Zhu, Daocheng  
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF  
; IGB-MEDIATED ALLERGIC DISEASES  
; FILE REFERENCE: UC67,002A  
; CURRENT APPLICATION NUMBER: US/09/847,208  
; NUMBER OF SEQ ID NOS: 177  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 6  
; LENGTH: 320  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-847-208-6

Query Match	100.0%;	Score 1707;	DB 10;	Length 320;
Best Local Similarity	100.0%;	Pred. No. 1.8e-139;		
Matches	320;	Conservative	0;	Mismatches 0; Indels 0; Gaps 0;
Qy	1	FTPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDSTASTTQE	60	
Db	1	FTPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDSTASTTQE	60	
Qy	61	GELASTQSELTLSQKHWLSDRYTCQVYQGHFFEDSTKCCADSNPRGVSAYLSRSPFD	120	
Db	61	GELASTQSELTLSQKHWLSDRYTCQVYQGHFFEDSTKCCADSNPRGVSAYLSRSPFD	120	
Qy	121	LFIRKSPITICLVVDLAPSKGTVNLWTSRAGKPNVHSTRKEEKQKNGTLTVTSTLPGVT	180	
Db	121	LFIRKSPITICLVVDLAPSKGTVNLWTSRAGKPNVHSTRKEEKQKNGTLTVTSTLPGVT	180	
Qy	181	RDWIEGETYQCRVTHPLPALMESITTKSGPRAAEVYAFATPEWPGSRDKHTLACLIQ	240	

Db 181 RDWIEGETYQCRVTHPHLPALMRSTTKSGPRAAEVYAFATPEWPGSRDRTLACLIQ 240  
QY 241 NFMPEDISVQWLHNEVQLDPARHSTTPQRTKSGGFFVFSRLVETRAEWEQKDEFICRAV 300  
Db 241 NFMPEDISVQWLHNEVQLDPARHSTTPQRTKSGGFFVFSRLVETRAEWEQKDEFICRAV 300  
QY 301 HEAASPSQTVQRAVSNPGK 320  
Db 301 HEAASPSQTVQRAVSNPGK 320

## RESULT 2

US-10-000-439-6  
; Sequence 6, Application US/10000439  
; Publication No. US20030064063A1  
; GENERAL INFORMATION:  
; APPLICANT: Saxon, Andrew  
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR  
; FILE OF INVENTION: TREATMENT OF IMMUNE DISEASES  
; FILE REFERENCE: UC067.004A  
; CURRENT APPLICATION NUMBER: US/10/000,439  
; CURRENT FILING DATE: 2001-10-24  
; PRIOR APPLICATION NUMBER: US 09/847,208  
; PRIOR FILING DATE: 2001-05-01  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 6  
; LENGTH: 320  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-000-439-6

Query Match 100.0%; Score 1707; DB 12; Length 320;  
Best Local Similarity 100.0%; Pred. No. 1.8e-139;

Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTPTVKILQSSCDGGGHPPIQLCLVSGYTPGTINTIWDGQVMDVLTASTTQOE 60  
Db 1 FTPTVKILQSSCDGGGHPPIQLCLVSGYTPGTINTIWDGQVMDVLTASTTQOE 60  
QY 61 GELASTQSELTLSQKHLSDRYTCOVYQCHTFDSTKCKADSNPRGVSAYLSRSPFD 120  
Db 61 GELASTQSELTLSQKHLSDRYTCOVYQCHTFDSTKCKADSNPRGVSAYLSRSPFD 120  
QY 121 LFIKSPPTITCLVLDLAPSKGTNLTWSRASKPVNHSRKEKORNGTLTSTLPVGT 180  
Db 121 LFIKSPPTITCLVLDLAPSKGTNLTWSRASKPVNHSRKEKORNGTLTSTLPVGT 180  
QY 181 RDWIEGETYQCRVTHPHLPALMRSTTKSGPRAAEVYAFATPEWPGSRDRTLACLIQ 240  
Db 181 RDWIEGETYQCRVTHPHLPALMRSTTKSGPRAAEVYAFATPEWPGSRDRTLACLIQ 240  
QY 241 NFMPEDISVQWLHNEVQLDPARHSTTPQRTKSGGFFVFSRLVETRAEWEQKDEFICRAV 300  
Db 241 NFMPEDISVQWLHNEVQLDPARHSTTPQRTKSGGFFVFSRLVETRAEWEQKDEFICRAV 300  
QY 301 HEAASPSQTVQRAVSNPGK 320  
Db 301 HEAASPSQTVQRAVSNPGK 320

## RESULT 3

US-10-704-406-3  
; Sequence 3, Application US/10704406  
; Publication No. US20040133356A1  
; GENERAL INFORMATION:  
; APPLICANT: Jardtetzky, Theodore S.  
; APPLICANT: Wurzburg, Beth A.  
; TITLE OF INVENTION: THREE-DIMENSIONAL MODEL OF A FC REGION OF AN ANTIBODY AND  
; FILE OF INVENTION: USES THEREOF  
; FILE REFERENCE: AL-9-C2  
; CURRENT APPLICATION NUMBER: US/10/704,406

; CURRENT FILING DATE: 2003-11-07  
; PRIOR APPLICATION NUMBER: 09/809,746  
; PRIOR FILING DATE: 2003-06-12  
; PRIOR APPLICATION NUMBER: 60/234,877  
; PRIOR FILING DATE: 2000-09-22  
; PRIOR APPLICATION NUMBER: 60/189,403  
; PRIOR FILING DATE: 2000-03-15  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 3  
; LENGTH: 220  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-704-406-3

Query Match 68.6%; Score 1171; DB 16; Length 220;  
Best Local Similarity 100.0%; Pred. No. 3e-93;

Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 101 CADSNPRGVSAYLSRSPFDLFIKSPPTITCLVLDLAPSKGTNLTWSRASKPVNHSR 160  
Db 1 CADSNPRGVSAYLSRSPFDLFIKSPPTITCLVLDLAPSKGTNLTWSRASKPVNHSR 60  
QY 161 KEKORNGTLTSTLPVGTDRDWEGETYQCRVTHPHLPALMRSTTKSGPRAAEVYAF 220  
Db 61 KEKORNGTLTSTLPVGTDRDWEGETYQCRVTHPHLPALMRSTTKSGPRAAEVYAF 120  
QY 221 FATPEWPGSRDRTLACLIQNFMPEDISVQWLHNEVQLDPARHSTTPQRTKSGGFFVFS 280  
Db 121 FATPEWPGSRDRTLACLIQNFMPEDISVQWLHNEVQLDPARHSTTPQRTKSGGFFVFS 180  
QY 281 RLEVTRAWEQKDEFICRAVHEAASPSQTVQRAVSNPGK 320  
Db 181 RLEVTRAWEQKDEFICRAVHEAASPSQTVQRAVSNPGK 220

## RESULT 4

US-09-809-746-2  
; Sequence 2, Application US/09809746  
; Patent No. US20010039479A1  
; GENERAL INFORMATION:  
; APPLICANT: Jardtetzky, Theodore S.  
; APPLICANT: Wurzburg, Beth A.  
; TITLE OF INVENTION: THREE-DIMENSIONAL MODEL OF A FC REGION OF AN IGE  
; FILE OF INVENTION: ANTIBODY AND USES THEREOF  
; FILE REFERENCE: AL-9-C2  
; CURRENT APPLICATION NUMBER: US/09/809,746  
; CURRENT FILING DATE: 2001-03-15  
; PRIOR APPLICATION NUMBER: 60/234,877  
; PRIOR FILING DATE: 2000-09-22  
; PRIOR APPLICATION NUMBER: 60/189,403  
; PRIOR FILING DATE: 2000-03-15  
; NUMBER OF SEQ ID NOS: 2  
; SOFTWARE: PatentIn ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 222  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-809-746-2

Query Match 67.8%; Score 1158; DB 9; Length 222;  
Best Local Similarity 100.0%; Pred. No. 4.1e-92;

Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 103 DSNPRGVSAYLSRSPFDLFIKSPPTITCLVLDLAPSKGTNLTWSRASKPVNHSR 162  
Db 5 DSNPRGVSAYLSRSPFDLFIKSPPTITCLVLDLAPSKGTNLTWSRASKPVNHSR 64  
QY 163 EKORNGTLTSTLPVGTDRDWEGETYQCRVTHPHLPALMRSTTKSGPRAAEVYAF 222  
Db 65 EKORNGTLTSTLPVGTDRDWEGETYQCRVTHPHLPALMRSTTKSGPRAAEVYAF 124  
QY 223 TPWPGRDRTLACLIQNFMPEDISVQWLHNEVQLDPARHSTTPQRTKSGGFFVFS 282



RESULT 10



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RESULT 12
US-09-802-096-1
; Sequence 1, Application US/09802096
; Patent No. US20010038839A1
; GENERAL INFORMATION:
; APPLICANT: Jardieu, Paula M.
; TITLE OF INVENTION: Method of Preventing the Onset of Allergic Disorders (as amended)
; FILE REFERENCE: P0718P2C3US
; CURRENT APPLICATION NUMBER: US/09/802,096
; CURRENT FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: US 08/405,617
; PRIOR FILING DATE: 1995-03-15
; PRIOR APPLICATION NUMBER: US 08/185,899
; PRIOR FILING DATE: 1994-01-26
; PRIOR APPLICATION NUMBER: PCT/US92/06860
; PRIOR FILING DATE: 1992-08-14
; PRIOR APPLICATION NUMBER: US 07/879,495
; PRIOR FILING DATE: 1992-05-07
; PRIOR APPLICATION NUMBER: US 07/744,768
; PRIOR FILING DATE: 1991-08-14
; NUMBER OF SEQ ID NOS: 64
; SEQ ID NO 1
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-802-096-1

Query Match 33.2%; Score 566.5; DB 9; Length 109;
Best Local Similarity 99.1%; Pred. No. 2.9e-41;
Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 103 DSNPRGVSAVLSRSPFDLFIKSPPTITCLVVDLAPSKGTVNLTWASRSGKPVNHSRKE 162
DB 1 DSNPRGVSAVLSRSPFDLFIKSPPTITCLVVDLAPSKGTVNLTWASRSGKPVNHSRKE 60

QY 163 EKQKNGTLTVTSTLPVGRDWEIETGTCRVTHPHLPRALMRSTTKTSGP 212
DB 61 EKQKNGTLTVTSTLPVGRDWEIETGTCRVTHPHLPRALMRSTTKTSGP 109

RESULT 13
US-09-925-179-1
; Sequence 1, Application US/09925179
; Publication No. US20030044858A1
; GENERAL INFORMATION:
; APPLICANT: Jardieu, Paula M.
; TITLE OF INVENTION: Anti-IGE Antibodies (as amended)
; FILE REFERENCE: P0718P2C3US
; CURRENT APPLICATION NUMBER: US/09/925,179
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 08/466,163
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: US 08/405,617
; PRIOR FILING DATE: 1995-03-15
; PRIOR APPLICATION NUMBER: US 08/185,899
; PRIOR FILING DATE: 1994-01-26
; PRIOR APPLICATION NUMBER: PCT/US92/06860
; PRIOR FILING DATE: 1992-08-14
; PRIOR APPLICATION NUMBER: US 07/879,495
; PRIOR FILING DATE: 1992-05-07
; PRIOR APPLICATION NUMBER: US 07/744,768
; PRIOR FILING DATE: 1991-08-14
; NUMBER OF SEQ ID NOS: 68
; SEQ ID NO 1
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-179-1

Query Match 33.2%; Score 566.5; DB 10; Length 109;
Best Local Similarity 99.1%; Pred. No. 2.9e-41;
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Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 103 DSNPRGVSAVLSRSPFDLFIKSPPTITCLVVDLAPSKGTVNLTWASRSGKPVNHSRKE 162
DB 1 DSNPRGVSAVLSRSPFDLFIKSPPTITCLVVDLAPSKGTVNLTWASRSGKPVNHSRKE 60

QY 163 EKQKNGTLTVTSTLPVGRDWEIETGTCRVTHPHLPRALMRSTTKTSGP 212
DB 61 EKQKNGTLTVTSTLPVGRDWEIETGTCRVTHPHLPRALMRSTTKTSGP 109

RESULT 14
US-10-152-190-6
; Sequence 6, Application US/10152190
; Publication No. US20030096369A1
; GENERAL INFORMATION:
; APPLICANT: Morsey, Mohamad A.
; TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IgE vaccines
; FILE REFERENCE: PC11011A
; CURRENT APPLICATION NUMBER: US/10/152,190
; CURRENT FILING DATE: 2002-05-21
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 6
; LENGTH: 129
; TYPE: PRT
; ORGANISM: Baculovirus expressed human CH3 domain
US-10-152-190-6

Query Match 32.5%; Score 554; DB 14; Length 129;
Best Local Similarity 96.3%; Pred. No. 4.3e-40;
Matches 105; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 102 ADSNPRGVSAVLSRSPFDLFIKSPPTITCLVVDLAPSKGTVNLTWASRSGKPVNHSRKE 161
DB 21 ADSNPRGVSAVLSRSPFDLFIKSPPTITCLVVDLAPSKGTVNLTWASRSGKPVNHSRKE 80

QY 162 EKQKNGTLTVTSTLPVGRDWEIETGTCRVTHPHLPRALMRSTTKTS 210
DB 81 EKQKNGTLTVTSTLPVGRDWEIETGTCRVTHPHLPRALMRSTTKTS 129

RESULT 15
US-10-152-190-8
; Sequence 8, Application US/10152190
; Publication No. US20030096369A1
; GENERAL INFORMATION:
; APPLICANT: Morsey, Mohamad A.
; TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IGE vaccines
; FILE REFERENCE: PC11011A
; CURRENT APPLICATION NUMBER: US/10/152,190
; CURRENT FILING DATE: 2002-05-21
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 8
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Modified Human CH4 Domain
US-10-152-190-8

Query Match 32.3%; Score 551; DB 14; Length 108;
Best Local Similarity 93.5%; Pred. No. 6.2e-40;
Matches 101; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 213 RAAPVEVAFATPEWPGSRDKRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTK 272
DB 1 RAAPVEVAFATPEWPGSRDKRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTK 60

QY 273 GSGFFVFSRLVTRAEWQKDEFICRAVHEAASPSOTVQRAVSVNPGK 320
DB 61 GSGFFVFSRLVTRAEWQKDEFICRAVHEAASPSOTVQRAVSVNPGK 108
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Page 6

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GenCore version 5.1.6  
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Run on: August 18, 2004, 00:59:34 ; Search time 18 seconds  
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Searched: 389414 seqs, 51625971 residues

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Maximum DB seq length: 232

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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4: /cgn2\_6/ptodata/2/iaa/6B.COMB.pep.\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1201	95.3	232	1	US-07-797-556-4
3	1201	95.3	232	1	US-08-225-989-4
4	1201	95.3	232	1	US-08-570-923-4
5	1201	95.3	232	1	US-08-580-014-4
6	1201	95.3	232	1	US-08-308-881-4
7	1201	95.3	232	2	US-09-058-263-4
8	1201	95.3	232	2	US-09-059-099-4
9	1201	95.3	232	3	US-09-058-264-4
10	1201	95.3	232	3	US-09-079-785-4
11	1201	95.3	232	4	US-03-455-962-4
12	1201	95.3	232	4	US-09-628-126-4
13	1201	95.3	232	5	PCT-US95-06530-4
14	1201	95.3	232	5	PCT-US95-15781-8
15	1195	94.8	228	4	US-09-428-082B-2
16	1195	94.8	228	4	US-08-847-249A-2
17	1195	94.8	229	4	US-08-122-144-2
18	1183	93.9	232	3	US-08-996-139-8
19	1183	93.9	232	3	US-08-995-659-8
20	1183	93.9	232	3	US-09-215-649A-8
21	1183	93.9	232	4	US-09-577-780-8
22	1183	93.9	232	4	US-09-577-800-8
23	1183	93.9	232	4	US-09-466-496-8
24	1183	93.9	232	4	US-09-871-856-8
25	1183	93.9	232	4	US-09-871-291-8
26	1183	93.9	232	4	US-09-877-650-8
27	1124	89.2	212	1	US-08-430-633-4

28	1124	89.2	212	2	US-08-620-694A-4	Sequence 4, Appli
29	1124	89.2	212	2	US-08-936-854-4	Sequence 4, Appli
30	1124	89.2	212	3	US-09-022-255-4	Sequence 4, Appli
31	1124	89.2	212	3	US-09-022-696-4	Sequence 4, Appli
32	1124	89.2	212	3	US-09-022-253-4	Sequence 4, Appli
33	1124	89.2	212	3	US-09-022-260-4	Sequence 4, Appli
34	1124	89.2	212	3	US-09-022-259-4	Sequence 4, Appli
35	1124	89.2	212	3	US-09-022-257-4	Sequence 4, Appli
36	1124	89.2	212	4	US-09-549-679-4	Sequence 4, Appli
37	784.5	62.3	229	4	US-09-579-845-12	Sequence 12, Appli
38	772	61.3	212	3	US-08-811-463-39	Sequence 39, Appli
39	614	48.7	116	2	US-08-232-539D-55	Sequence 55, Appli
40	575	45.6	110	3	US-08-444-644-21	Sequence 21, Appli
41	575	45.6	110	3	US-08-232-246A-21	Sequence 21, Appli
42	555	44.0	107	3	US-08-444-644-22	Sequence 22, Appli
43	555	44.0	107	4	US-08-232-246A-22	Sequence 22, Appli
44	551	43.7	110	3	US-08-444-644-38	Sequence 38, Appli
45	551	43.7	110	4	US-08-232-246A-38	Sequence 38, Appli

ALIGNMENTS

RESULT 1  
US-08-595-043A-50  
; Sequence 50, Application US/08595043A  
; Patent No. 5935824  
; GENERAL INFORMATION:  
; APPLICANT: SCARLATO, GREGORY D.  
; TITLE OF INVENTION: PROTEIN EXPRESSION SYSTEM  
; NUMBER OF SEQUENCES: 90  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/595,043A  
; FILING DATE: 31-JAN-1996  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: SGAR-00371  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 50:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 232 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-595-043A-50

Query Match 97.2%; Score 1225; DB 2; Length 232;  
Best Local Similarity 97.0%; Pred. No. 28-116;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
QY 1 EPKSCDKTHCTCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
Db 1 EPKSCDKTHCTCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
QY 61 NWYDGVVHNKTPREBQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120  
Db 61 NWYDGVVHNKTPREBQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120

QY 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPDIAVWESNGQPNKYKTP 180  
Db 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPDIAVWESNGQPNKYKTP 180  
QY 181 PVLDSVGSFLLYKSLTVDKSRWQOGNVFSCVWHEALHNYOORSLSPGK 232  
Db 181 PVLDSVGSFLLYKSLTVDKSRWQOGNVFSCVWHEALHNYOORSLSPGK 232

## RESULT 2

US-07-797-556-4  
; Sequence 4, Application US/07797556  
; Patent No. 5262522  
; GENERAL INFORMATION:  
; APPLICANT: Gearing, David P.  
; TITLE OF INVENTION: Receptor for Oncostatin M and Leukemia  
; TITLE OF INVENTION: Inhibitory Factor  
; NUMBER OF SEQUENCES: 17  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunex Corporation  
; STREET: 51 University Street  
; CITY: Seattle  
; STATE: WA  
; COUNTRY: USA  
; ZIP: 98101  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/797,556  
; FILING DATE: 19911122  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Seese, Kathryn A.  
; REGISTRATION NUMBER: 32,172  
; REFERENCE/DOCKET NUMBER: 2607  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 206-587-0430  
; TELEFAX: 206-587-0606  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 232 amino acids  
; TYPE: AMINO ACID  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-07-797-556-4

Query Match 95.3%; Score 1201; DB 1; Length 232;  
Best Local Similarity 94.4%; Pred. No. 5.5e-114;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;  
QY 1 EPKSCDKTHCTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
Db 1 EPRSCDKTHCTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDNMNGKEYKKCKVSNKALPAPIEKT 120  
Db 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDNMNGKEYKKCKVSNKALPAPIEKT 120  
QY 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPDIAVWESNGQPNKYKTP 180  
Db 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPDIAVWESNGQPNKYKTP 180  
QY 181 PVLDSVGSFLLYKSLTVDKSRWQOGNVFSCVWHEALHNYOORSLSPGK 232  
Db 181 PVLDSVGSFLLYKSLTVDKSRWQOGNVFSCVWHEALHNYOORSLSPGK 232

## RESULT 3

US-08-225-989-4

; Sequence 4, Application US/08225989  
; Patent No. 5480981  
; GENERAL INFORMATION:  
; APPLICANT: Goodwin, Raymond G.  
; APPLICANT: Smith, Craig A.  
; APPLICANT: Amritage, Richard J.  
; APPLICANT: Gruss, Hans-Jurgen  
; TITLE OF INVENTION: No. 5480981el Cytokine That Binds CD30  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: kathryn A. Seese, Immunex Corporation  
; STREET: 51 University Street  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: USA  
; ZIP: 98101  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: Apple Macintosh  
; OPERATING SYSTEM: Apple 7.1  
; SOFTWARE: Microsoft Word, Version 5.1a  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/225,989  
; FILING DATE: 12 APRIL 1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/966,775  
; FILING DATE: 27-OCT-1992  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 907,224  
; FILING DATE: 01-JUL-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 899,660  
; FILING DATE: 15-JUN-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 892,459  
; FILING DATE: 02-JUN-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 889,717  
; FILING DATE: 26-MAY-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Seese, Kathryn A.  
; REGISTRATION NUMBER: 32,172  
; REFERENCE/DOCKET NUMBER: 2804-E  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206)587-0430  
; TELEFAX: (206)233-0644  
; TELEX: 756822  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 232 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-225-989-4

Query Match 95.3%; Score 1201; DB 1; Length 232;  
Best Local Similarity 94.4%; Pred. No. 5.5e-114;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;  
QY 1 EPKSCDKTHCTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
Db 1 EPRSCDKTHCTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDNMNGKEYKKCKVSNKALPAPIEKT 120  
Db 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDNMNGKEYKKCKVSNKALPAPIEKT 120  
QY 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPDIAVWESNGQPNKYKTP 180  
Db 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPDIAVWESNGQPNKYKTP 180

QY 181 PVLDSGSGFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSPGK 232  
Db 181 PVLDSGSGFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSPGK 232

RESULT 4  
US-08-570-923-4  
; Sequence 4, Application US/08570923  
; Patent No. 5677430  
; GENERAL INFORMATION:  
; APPLICANT: Goodwin, Raymond G.  
; APPLICANT: Smith, Craig A.  
; APPLICANT: Armitage, Richard J.  
; APPLICANT: Gruss, Hans-Jurgen  
; TITLE OF INVENTION: No. 5677430el Cytokine That Binds CD30  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Kathryn A. Seese, Immunex Corporation  
; STREET: 51 University Street  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: USA  
; ZIP: 98101

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: Apple Macintosh  
; OPERATING SYSTEM: Apple 7.1  
; SOFTWARE: Microsoft Word, Version 5.1a  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/570,923  
; FILING DATE: 12-DEC-1995  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/225,989  
; FILING DATE: 12 APRIL 1994  
; APPLICATION NUMBER: US 07/966,775  
; FILING DATE: 27-OCT-1992  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 907,224  
; FILING DATE: 01-JUL-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 899,660  
; FILING DATE: 15-JUN-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 892,459  
; FILING DATE: 02-JUN-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 889,717  
; FILING DATE: 26-MAY-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Seese, Kathryn A.  
; REGISTRATION NUMBER: 32,172  
; REFERENCE/DOCKET NUMBER: 2804-E  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206)587-0430  
; TELEFAX: (206)233-0644  
; TELEX: 756822

; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 232 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein

US-08-570-923-4  
Query Match 95.3%; Score 1201; DB 1; Length 232;  
Best Local Similarity 94.4%; Pred No. 5, 5e-114;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPGAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
Db 1 EPRSCDKTHTCPGAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

QY 61 NMYVDGVEVHNKTKPREEQNSTYRVVSVLTVLHONMNGKEYKCKVSNKALPAPIKT 120  
Db 61 NMYVDGVEVHNKTKPREEQNSTYRVVSVLTVLHONMNGKEYKCKVSNKALPAPIKT 120  
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVWESNGQPENNYKTT 180  
Db 121 ISKAKGQPREFOVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVWESNGQPENNYKTT 180  
QY 181 PVLDSGSGFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSPGK 232  
Db 181 PVLDSGSGFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSPGK 232

RESULT 5  
US-08-580-014-4  
; Sequence 4, Application US/08580014  
; Patent No. 5753203  
; GENERAL INFORMATION:  
; APPLICANT: Goodwin, Raymond G.  
; APPLICANT: Smith, Craig A.  
; APPLICANT: Armitage, Richard J.  
; APPLICANT: Gruss, Hans-Jurgen  
; TITLE OF INVENTION: No. 5753203el Cytokine That Binds CD30  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Kathryn A. Seese, Immunex Corporation  
; STREET: 51 University Street  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: USA  
; ZIP: 98101

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: Apple Macintosh  
; OPERATING SYSTEM: Apple 7.1  
; SOFTWARE: Microsoft Word, Version 5.1a  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/580,014  
; FILING DATE: 20-DEC-1995  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/225,989  
; FILING DATE: 12 APRIL 1994  
; APPLICATION NUMBER: US 07/966,775  
; FILING DATE: 27-OCT-1992  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 907,224  
; FILING DATE: 01-JUL-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 899,660  
; FILING DATE: 15-JUN-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 892,459  
; FILING DATE: 02-JUN-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 889,717  
; FILING DATE: 26-MAY-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Seese, Kathryn A.  
; REGISTRATION NUMBER: 32,172  
; REFERENCE/DOCKET NUMBER: 2804-E  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206)587-0430  
; TELEFAX: (206)233-0644  
; TELEX: 756822

; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 232 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein



QY 121 ISKAKVQRPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTIP 180  
DB 121 ISKAKGQRPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTIP 180  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSLSPGK 232  
DB 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSLSPGK 232

## RESULT 8

US-09-059-099-4  
; Sequence 4, Application US/09059099  
; Patent No. 5925740  
; GENERAL INFORMATION:  
; APPLICANT: Mosley, Bruce  
; APPLICANT: Cosman, David J.  
; TITLE OF INVENTION: Receptor for Oncostatin M  
; NUMBER OF SEQUENCES: 11  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunex Corporation  
; STREET: 51 University Street  
; CITY: Seattle  
; STATE: WA  
; COUNTRY: USA  
; ZIP: 98101  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: Apple Macintosh  
; OPERATING SYSTEM: Apple 7.1  
; SOFTWARE: Microsoft Word, Version 5.1a  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/059,099  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/308,881  
; FILING DATE: 12-SEP-1994  
; APPLICATION NUMBER: US 08/249,553  
; FILING DATE: 26-MAY-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Seese, Kathryn A.  
; REGISTRATION NUMBER: 32,172  
; REFERENCE/DOCKET NUMBER: 2614-A  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 587-0430  
; TELEFAX: (206) 233-0644  
; TELEX: 756822  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 232 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein

## US-09-059-099-4

Query Match 95.3%; Score 1201; DB 2; Length 232;  
Best Local Similarity 94.4%; Pred. No. 5.5e-114;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;  
QY 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 1 EPRSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
QY 61 NWYVDGVEVHNKTKPRREQYNSTYRVVSVLTVLHQNWNGKEYKCKVSNKALPAPIEKT 120  
DB 61 NWYVDGVEVHNKTKPRREQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120  
QY 121 ISKAKVQRPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTIP 180  
DB 121 ISKAKGQRPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTIP 180  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSLSPGK 232

US-09-059-099-4

DB 181 PVLDSGSGFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSLSPGK 232

## RESULT 9

US-09-058-264-4  
; Sequence 4, Application US/09058264  
; Patent No. 6010886  
; GENERAL INFORMATION:  
; APPLICANT: Mosley, Bruce  
; APPLICANT: Cosman, David J.  
; TITLE OF INVENTION: Receptor for Oncostatin M  
; NUMBER OF SEQUENCES: 11  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunex Corporation  
; STREET: 51 University Street  
; CITY: Seattle  
; STATE: WA  
; COUNTRY: USA  
; ZIP: 98101  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: Apple Macintosh  
; OPERATING SYSTEM: Apple 7.1  
; SOFTWARE: Microsoft Word, Version 5.1a  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/058,264  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/308,881  
; FILING DATE: 12-SEP-1994  
; APPLICATION NUMBER: US 08/249,553  
; FILING DATE: 26-MAY-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Seese, Kathryn A.  
; REGISTRATION NUMBER: 32,172  
; REFERENCE/DOCKET NUMBER: 2614-A  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 587-0430  
; TELEFAX: (206) 233-0644  
; TELEX: 756822  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 232 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein

US-09-058-264-4  
Query Match 95.3%; Score 1201; DB 3; Length 232;  
Best Local Similarity 94.4%; Pred. No. 5.5e-114;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 1 EPRSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
QY 61 NWYVDGVEVHNKTKPRREQYNSTYRVVSVLTVLHQNWNGKEYKCKVSNKALPAPIEKT 120  
DB 61 NWYVDGVEVHNKTKPRREQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120  
QY 121 ISKAKVQRPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTIP 180  
DB 121 ISKAKGQRPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTIP 180  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSLSPGK 232  
DB 181 PVLDSGSGFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSLSPGK 232

## RESULT 10

US-09-079-785-4  
; Sequence 4, Application US/09079785

Patent No. 6143869  
GENERAL INFORMATION:  
APPLICANT: Goodwin, Raymond G.  
APPLICANT: Smith, Craig A.  
APPLICANT: Armitage, Richard J.  
APPLICANT: Gruss, Hans-Jurgen  
TITLE OF INVENTION: No. 6143869el Cytokine That Binds CD30  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Kathryn A. Seese, Immunex Corporation  
STREET: 51 University Street  
CITY: Seattle  
STATE: Washington  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Macintosh  
OPERATING SYSTEM: Apple 7.1  
SOFTWARE: Microsoft Word, Version 5.1a  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/079,785  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 907,224  
FILING DATE: 01-JUL-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 899,660  
FILING DATE: 15-JUN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 892,459  
FILING DATE: 02-JUN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 889,717  
FILING DATE: 26-MAY-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Seese, Kathryn A.  
REGISTRATION NUMBER: 32,172  
REFERENCE/DOCKET NUMBER: 2804-E  
TELEPHONE: (206)587-0430  
TELEFAX: (206)233-0644  
TELEX: 756822  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-079-785-4

Query Match 95.3%; Score 1201; DB 3; Length 232;  
Best Local Similarity 94.4%; Pred. No. 5.5e-114;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 1 EPRSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
QY 61 NWYDGVVHNKTKPREEQYNSTYRVSVLTVLHQNWNMGKEYCKVSNKALPAPIEKT 120  
DB 61 NWYDGVVHNKTKPREEQYNSTYRVSVLTVLHQNWNMGKEYCKVSNKALPAPIEKT 120  
QY 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180  
DB 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180  
QY 181 PVLDVSGSFPLYSKLTVDKSRWQQGNVFCVSMHEALHNHYTQKSLSLSPGK 232  
DB 181 PVLDVSGSFPLYSKLTVDKSRWQQGNVFCVSMHEALHNHYTQKSLSLSPGK 232

QY 181 PVLDVSGSFPLYSKLTVDKSRWQQGNVFCVSMHEALHNHYTQKSLSLSPGK 232  
DB 181 PVLDVSGSFPLYSKLTVDKSRWQQGNVFCVSMHEALHNHYTQKSLSLSPGK 232

RESULT 11  
US-09-455-962-4  
Sequence 4, Application US/09455962  
Patent No. 6524817  
GENERAL INFORMATION:  
APPLICANT: Mosley, Bruce  
APPLICANT: Cosman, David J.  
TITLE OF INVENTION: Receptor for Oncostatin M  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Macintosh  
OPERATING SYSTEM: Apple 7.1  
SOFTWARE: Microsoft Word, Version 5.1a  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/455,962  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/058,264  
FILING DATE:  
APPLICATION NUMBER: US 08/249,553  
FILING DATE: 26-MAY-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Seese, Kathryn A.  
REGISTRATION NUMBER: 32,172  
REFERENCE/DOCKET NUMBER: 2614-A  
TELEPHONE: (206)587-0430  
TELEFAX: (206)233-0644  
TELEX: 756822  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-455-962-4

Query Match 95.3%; Score 1201; DB 4; Length 232;  
Best Local Similarity 94.4%; Pred. No. 5.5e-114;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 1 EPRSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
QY 61 NWYDGVVHNKTKPREEQYNSTYRVSVLTVLHQNWNMGKEYCKVSNKALPAPIEKT 120  
DB 61 NWYDGVVHNKTKPREEQYNSTYRVSVLTVLHQNWNMGKEYCKVSNKALPAPIEKT 120  
QY 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180  
DB 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180  
QY 181 PVLDVSGSFPLYSKLTVDKSRWQQGNVFCVSMHEALHNHYTQKSLSLSPGK 232  
DB 181 PVLDVSGSFPLYSKLTVDKSRWQQGNVFCVSMHEALHNHYTQKSLSLSPGK 232



## RESULT 12

US-09-628-126-4  
; Sequence 4, Application US/09628126  
; Patent No. 6667039  
; GENERAL INFORMATION:  
; APPLICANT: Goodwin, Raymond G.  
; APPLICANT: Smith, Craig A.  
; APPLICANT: Armitage, Richard J.  
; APPLICANT: Gruss, Hans-Jurgen  
; TITLE OF INVENTION: No. 6667039el Cytokine That Binds CD30  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Kathryn A. Seese, Immunex Corporation  
; STREET: 51 University Street  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: USA  
; ZIP: 98101  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: Apple Macintosh  
; OPERATING SYSTEM: Apple 7.1  
; SOFTWARE: Microsoft Word, Version 5.1a  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/628.126  
; FILING DATE: 28-JULY-2000  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/570,923  
; FILING DATE: 12-DEC-1995  
; APPLICATION NUMBER: US/08/225,989  
; FILING DATE: 12 APRIL 1994  
; APPLICATION NUMBER: US 07/966,775  
; FILING DATE: 27-OCT-1992  
; APPLICATION NUMBER: US 907,224  
; FILING DATE: 01-JUL-1992  
; APPLICATION NUMBER: US 899,660  
; FILING DATE: 15-JUN-1992  
; APPLICATION NUMBER: US 892,459  
; FILING DATE: 02-JUN-1992  
; APPLICATION NUMBER: US 889,717  
; FILING DATE: 26-MAY-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Seese, Kathryn A.  
; REGISTRATION NUMBER: 32,172  
; REFERENCE/DOCKET NUMBER: 2804-E  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206)587-0430  
; TELEFAX: (206)233-0644  
; TELEX: 756822  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 232 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
PCT-US-09-628-126-4

Query Match 95.3%; Score 1201; DB 4; Length 232;

Best Local Similarity 94.4%; Pred. No. 5.5e-114;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

Qy	1	EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF	60
Db	1	EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF	60
Qy	61	NWYVDGVEVHNKTRPREEQYNSTYRVVSVLTVLHQDWLNGDKYCKVKSNKALPAPIETK	120
Db	61	NWYVDGVEVHNKTRPREEQYNSTYRVVSVLTVLHQDWLNGDKYCKVKSNKALPAPIETK	120
Qy	121	ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT	180
Db	121	ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT	180

## RESULT 14

Qy 181 PVLDVGSGFFLYSKLTVDKSRWQQGVFSCSVMHQALHNNHYQQRSLSPGK 232  
Db 181 PVLDVGSGFFLYSKLTVDKSRWQQGVFSCSVMHQALHNNHYQQRSLSPGK 232  
RESULT 13  
PCT-US95-06530-4  
; Sequence 4, Application PC/TUS9506530  
; GENERAL INFORMATION:  
; APPLICANT: Mosley, Bruce  
; APPLICANT: Cosman, David J.  
; TITLE OF INVENTION: Receptor for Oncostatin M  
; NUMBER OF SEQUENCES: 11  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunex Corporation  
; STREET: 51 University Street  
; CITY: Seattle  
; STATE: WA  
; COUNTRY: USA  
; ZIP: 98101  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/06530  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/308,881  
; FILING DATE: 09-SEP-1994  
; APPLICATION NUMBER: US 08/249,553  
; FILING DATE: 28-MAY-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Anderson, Kathryn A.  
; REGISTRATION NUMBER: 32,172  
; REFERENCE/DOCKET NUMBER: 2614-WO  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 587-0430  
; TELEFAX: (206) 233-0644  
; TELEX: 756822  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 232 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
PCT-US95-06530-4

Query Match 95.3%; Score 1201; DB 5; Length 232;

Best Local Similarity 94.4%; Pred. No. 5.5e-114;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

Qy	1	EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF	60
Db	1	EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF	60
Qy	61	NWYVDGVEVHNKTRPREEQYNSTYRVVSVLTVLHQDWLNGDKYCKVKSNKALPAPIETK	120
Db	61	NWYVDGVEVHNKTRPREEQYNSTYRVVSVLTVLHQDWLNGDKYCKVKSNKALPAPIETK	120
Qy	121	ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT	180
Db	121	ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT	180
Qy	181	PVLDVGSGFFLYSKLTVDKSRWQQGVFSCSVMHQALHNNHYQQRSLSPGK 232	
Db	181	PVLDVGSGFFLYSKLTVDKSRWQQGVFSCSVMHQALHNNHYQQRSLSPGK 232	

PCT-US95-15781-8  
; Sequence 8, Application PC/TUS9515781  
; GENERAL INFORMATION:  
; APPLICANT: Cerretti, Douglas P.  
; TITLE OF INVENTION: Cytokine Designated Lerk-7  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunex Corporation  
; STREET: 51 University Street  
; CITY: Seattle  
; STATE: WA  
; COUNTRY: USA  
; ZIP: 98101  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: Apple Macintosh  
; OPERATING SYSTEM: System 7.1  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/15781  
; FILING DATE: 05-DEC-1995  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/351,025  
; FILING DATE: 06-DEC-1994  
; CLASSIFICATION:  
; APPLICATION NUMBER: US 08/396,946  
; FILING DATE: 01-MAR-1995  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Anderson, Kathryn A.  
; REGISTRATION NUMBER: 32,172  
; REFERENCE/DOCKET NUMBER: 2829-WO  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 587-0430  
; TELEFAX: (206) 233-0644  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 232 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
PCT-US95-15781-8

Query Match 95.3%; Score 1201; DB 5; Length 232;  
Best Local Similarity 94.4%; Pred. No. 5.5e-114;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

QY 61 NRYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGDKYKCKVSNKALPAPIETK 120  
DB 61 NRYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGDKYKCKVSNKALPAPIETK 120

QY 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFFPSDIQVWESNGQENNYKTP 180  
DB 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFFPSDIQVWESNGQENNYKTP 180

QY 181 PVLDSVGSFFLYSKLTVDKSRMQQGNVFSCSVWHEALHNHYTQKSLSLSPGK 232  
DB 181 PVLDSVGSFFLYSKLTVDKSRMQQGNVFSCSVWHEALHNHYTQKSLSLSPGK 232

RESULT 15  
US-09-428-082B-2  
; Sequence 2, Application US/09428082B  
; Patent No. 6660843  
; GENERAL INFORMATION:  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: LIU, CHUAN-PA  
; APPLICANT: CHEETHAM, JANET C.

; APPLICANT: BOONE, THOMAS CHARLES  
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
; FILE REFERENCE: A-527  
; CURRENT APPLICATION NUMBER: US/09/428,082B  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/105,371  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 1133  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 2  
; LENGTH: 228  
; TYPE: PRT  
; ORGANISM: HUMAN  
US-09-428-082B-2

Query Match 94.8%; Score 1195; DB 4; Length 228;  
Best Local Similarity 96.9%; Pred. No. 2.2e-113;  
Matches 220; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 6 DKHTCPCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 65  
DB 2 DKHTCPCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 61

QY 66 GVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGDKYKCKVSNKALPAPIETKISKAK 125  
DB 62 GVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGDKYKCKVSNKALPAPIETKISKAK 121

QY 126 VOPEPOVYTLPPSRDELTKNOVSLTCLVKGFFPSDIQVWESNGQENNYKTPPVLDLS 185  
DB 122 GQPREPOVYTLPPSRDELTKNOVSLTCLVKGFFPSDIQVWESNGQENNYKTPPVLDLS 181

QY 186 VGSFFLYSKLTVDKSRMQQGNVFSCSVWHEALHNHYTQKSLSLSPGK 232  
DB 182 DGSFFLYSKLTVDKSRMQQGNVFSCSVWHEALHNHYTQKSLSLSPGK 228

Search completed: August 18, 2004, 01:13:09  
Job time : 19 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: August 18, 2004, 01:10:34 ; Search time 45 Seconds  
(without alignments)  
1618.469 Million cell updates/sec

Title: US-09-847-208B-3  
Perfect score: 1260  
Sequence: 1 EPKSCDKTHCTCPAPAPL.....MHEALHHYQORSLSPGK 232

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1292805 seqs, 313927144 residues

Total number of hits satisfying chosen parameters: 796939

Minimum DB seq length: 0

Maximum DB seq length: 232

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/1/pubaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/1/pubaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubaa/US10D\_PUBCOMB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubaa/US10\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubaa/US60\_NEW\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	DB ID	Description
1	1260	100.0	232	10	US-09-847-208-3
2	1260	100.0	232	12	US-10-000-439-3
3	1225	97.2	232	9	US-09-996-357-10
4	1225	97.2	232	10	US-09-389-782-1
5	1225	97.2	232	16	US-10-617-619-7
6	1219	96.7	232	12	US-10-466-593-2
7	1219	96.7	232	14	US-10-071-499A-15
8	1219	96.7	232	14	US-10-020-354-83
9	1209	96.0	232	9	US-09-977-034-4
10	1209	96.0	232	12	US-10-419-058-6
11	1209	96.0	232	12	US-10-292-418-2
12	1201	95.3	232	14	US-10-313-135-4
13	1195	94.8	227	12	US-10-622-108-2
14	1195	94.8	227	15	US-10-269-695-60
15	1195	94.8	227	15	US-10-435-608-2

16	1195	94.8	227	15	US-10-410-998-60	Sequence 60, Appli
17	1195	94.8	228	9	US-09-847-2172-2	Sequence 2, Appli
18	1195	94.8	228	9	US-09-840-777-2	Sequence 2, Appli
19	1195	94.8	228	10	US-09-847-249A-2	Sequence 2, Appli
20	1195	94.8	228	10	US-09-843-221A-2	Sequence 2, Appli
21	1195	94.8	228	10	US-09-840-669B-2	Sequence 2, Appli
22	1195	94.8	228	12	US-10-609-217-2	Sequence 2, Appli
23	1195	94.8	228	12	US-10-632-388-2	Sequence 2, Appli
24	1195	94.8	228	12	US-10-651-723-2	Sequence 2, Appli
25	1195	94.8	228	12	US-10-645-761-2	Sequence 2, Appli
26	1195	94.8	228	14	US-10-269-806-32	Sequence 32, Appli
27	1195	94.8	228	14	US-10-145-206-2	Sequence 2, Appli
28	1195	94.8	228	16	US-10-666-696-2	Sequence 2, Appli
29	1195	94.8	228	16	US-10-653-048-2	Sequence 2, Appli
30	1195	94.8	228	16	US-10-666-480-60	Sequence 60, Appli
31	1195	94.8	229	13	US-10-215-297-2	Sequence 2, Appli
32	1195	94.8	229	14	US-10-215-298-2	Sequence 2, Appli
33	1192.5	94.6	232	12	US-10-433-108-32	Sequence 32, Appli
34	1196	94.1	232	14	US-10-008-063-32	Sequence 32, Appli
35	1193	93.9	232	9	US-09-835-147-17	Sequence 17, Appli
36	1183	93.9	232	9	US-09-871-856-8	Sequence 8, Appli
37	1183	93.9	232	9	US-09-877-650-8	Sequence 8, Appli
38	1183	93.9	232	12	US-09-865-363-8	Sequence 8, Appli
39	1183	93.9	232	14	US-10-008-063-28	Sequence 28, Appli
40	1183	93.9	232	14	US-10-405-878-8	Sequence 8, Appli
41	1178	93.5	227	14	US-10-071-499A-16	Sequence 16, Appli
42	1166	92.5	232	14	US-10-274-638-5	Sequence 5, Appli
43	1165	92.5	223	14	US-10-135-636-3	Sequence 3, Appli
44	1158	91.9	224	10	US-09-972-218A-17	Sequence 17, Appli
45	1158	91.9	224	14	US-10-068-426-14	Sequence 14, Appli

ALIGNMENTS

RESULT 1  
US-09-847-208-3  
; Sequence 3, Application US/09847208  
; Publication No. US20030082190A1  
; GENERAL INFORMATION:  
; APPLICANT: Saxon, Andrew  
; APPLICANT: Zhang, Ke  
; APPLICANT: Zhu, Daoceng  
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF  
; TITLE OF INVENTION: ICE-MEDIATED ALLERGIC DISEASES  
; FILE REFERENCE: UC67, 002A  
; CURRENT APPLICATION NUMBER: US/09/847,208  
; CURRENT FILING DATE: 2001-05-01  
; NUMBER OF SEQ ID NOS: 177  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 232  
; TYPE: PPT  
; ORGANISM: Homo sapiens  
; US-09-847-208-3

Query Match	100.0%;	Score 1260;	DB 10;	Length 232;
Best Local Similarity	100.0%;	Pred. No. 1.2e-99;		
Matches 232;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	EPKSCDKTHCTCPAPAPLGGPSVFLFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF	60	
DB	1	EPKSCDKTHCTCPAPAPLGGPSVFLFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF	60	
QY	61	NYVDGVEVHNKTPREBOYNSTYRVVSVLTVLHQNWNGKVKCKVSNKALPAPIEKT	120	
DB	61	NYVDGVEVHNKTPREBOYNSTYRVVSVLTVLHQNWNGKVKCKVSNKALPAPIEKT	120	
QY	121	ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTP	180	
DB	121	ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTP	180	
QY	181	PVLDSVGSFFLSKLTVDKSRWQQGNVFCSVYHEALHHYQORSLSPGK	232	

Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVNMHEALHNYHQRSLSLSPGK 232

## RESULT 2

US-10-000-439-3  
; Sequence 3, Application US/10000439  
; Publication No. US20030064063A1  
; GENERAL INFORMATION:  
; APPLICANT: Saxon, Andrew  
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR  
; FILE REFERENCE: UC067.004A  
; CURRENT APPLICATION NUMBER: US/10/000,439  
; PRIOR FILING DATE: 2001-10-24  
; PRIOR APPLICATION NUMBER: US 09/847,208  
; PRIOR FILING DATE: 2001-05-01  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 232  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-000-439-3

Query Match 100.0%; Score 1260; DB 12; Length 232;  
Best Local Similarity 100.0%; Pred. No. 1.2e-99;  
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
Db 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
QY 61 NWYVDGVEVHNKTKPREEQNSTYRVWSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120  
Db 61 NWYVDGVEVHNKTKPREEQNSTYRVWSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120  
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180  
Db 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVNMHEALHNYHQRSLSLSPGK 232  
Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVNMHEALHNYHQRSLSLSPGK 232

## RESULT 3

US-09-996-357-10  
; Sequence 10, Application US/09996357  
; Patent No. US20020133001A1  
; GENERAL INFORMATION:  
; APPLICANT: Geffer, Malcolm L  
; APPLICANT: Isreal, David I  
; APPLICANT: Joyal, John L  
; APPLICANT: Gosselin, Michael  
; TITLE OF INVENTION: THERAPEUTIC AGENTS AND METHODS OF USE THEREOF FOR  
; FILE REFERENCE: PPI-105  
; CURRENT APPLICATION NUMBER: US/09/996,357  
; CURRENT FILING DATE: 2001-11-27  
; PRIOR APPLICATION NUMBER: 60/253,302  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/250,198  
; PRIOR FILING DATE: 2000-11-29  
; PRIOR APPLICATION NUMBER: 60/257,186  
; PRIOR FILING DATE: 2000-12-20  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 10  
; LENGTH: 232  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-996-357-10

Query Match 97.2%; Score 1225; DB 9; Length 232;  
Best Local Similarity 97.0%; Pred. No. 1.1e-96;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
QY 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
Db 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
QY 61 NWYVDGVEVHNKTKPREEQNSTYRVWSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120  
Db 61 NWYVDGVEVHNKTKPREEQNSTYRVWSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120  
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180  
Db 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVNMHEALHNYHQRSLSLSPGK 232  
Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVNMHEALHNYHQRSLSLSPGK 232

## RESULT 4

US-09-389-782-1  
; Sequence 1, Application US/09389782  
; Publication No. US20030144187A1  
; GENERAL INFORMATION:  
; APPLICANT: Wooden, Scott K.  
; APPLICANT: Mann, Michael B.  
; APPLICANT: Dustan, Colin R.  
; TITLE OF INVENTION: OPG Fusion Protein Compositions and Methods  
; FILE REFERENCE: A-604  
; CURRENT APPLICATION NUMBER: US/09/389,782  
; CURRENT FILING DATE: 1999-09-03  
; NUMBER OF SEQ ID NOS: 50  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 232  
; TYPE: PRT  
; ORGANISM: Human  
US-09-389-782-1

Query Match 97.2%; Score 1225; DB 10; Length 232;  
Best Local Similarity 97.0%; Pred. No. 1.1e-96;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
QY 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
Db 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
QY 61 NWYVDGVEVHNKTKPREEQNSTYRVWSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120  
Db 61 NWYVDGVEVHNKTKPREEQNSTYRVWSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120  
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180  
Db 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVNMHEALHNYHQRSLSLSPGK 232  
Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVNMHEALHNYHQRSLSLSPGK 232

## RESULT 5

US-10-617-619-7  
; Sequence 7, Application US/10617619  
; Publication No. US20040110929A1  
; GENERAL INFORMATION:  
; APPLICANT: Bjorn, Soren E  
; APPLICANT: Nicolaisen, Else M  
; APPLICANT: Jorgensen, Anker S  
; TITLE OF INVENTION: TF Binding Compound  
; FILE REFERENCE: 6455.200-US

; CURRENT APPLICATION NUMBER: US/10/617,619  
; CURRENT FILING DATE: 2003-07-11  
; PRIOR APPLICATION NUMBER: Danish Application No. PA 2002 01099  
; PRIOR FILING DATE: 2002-07-12  
; PRIOR APPLICATION NUMBER: US 60/404,568  
; PRIOR FILING DATE: 2002-08-19  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 7  
; LENGTH: 232  
; TYPE: PRT  
; ORGANISM: Human  
; US-10-617-619-7

Query Match 97.2%; Score 1225; DB 16; Length 232;  
Best Local Similarity 97.0%; Pred. No. 1.1e-96;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
QY 1 EPKSCDKTHTCPCPAPELLGGPSVFLFPPPKDRLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 1 EPKSCDKTHTCPCPAPELLGGPSVFLFPPPKDRLMISRTPEVTCVVVDVSHEDPEVKF 60  
QY 61 NWYVDGVEVHNKTPREEQNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120  
DB 61 NWYVDGVEVHNKTPREEQNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120  
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 180  
DB 121 ISKAKGQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 180  
QY 181 PVLDSVGSFFLYSLKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232  
DB 181 PVLDSGSGFFLYSLKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232

RESULT 6  
US-10-466-593-2  
; Sequence 2, Application US/10466593  
; Publication No. US20040043457A1  
; GENERAL INFORMATION:  
; APPLICANT: Schumacher, Silke  
; APPLICANT: Gillies, Stephen  
; TITLE OF INVENTION: BIFUNCTIONAL FUSION PROTEINS WITH  
; TITLE OF INVENTION: GLUCOCEREBROSIDASE ACTIVITY  
; FILE REFERENCE: MER-108  
; CURRENT APPLICATION NUMBER: US/10/466,593  
; CURRENT FILING DATE: 2003-07-17  
; PRIOR APPLICATION NUMBER: PCT/EP01/15328  
; PRIOR FILING DATE: 2001-12-27  
; PRIOR APPLICATION NUMBER: EP 01101056.8  
; PRIOR FILING DATE: 2001-01-18  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 232  
; TYPE: PRT  
; ORGANISM: Homo Sapiens  
; US-10-466-593-2

Query Match 96.7%; Score 1219; DB 12; Length 232;  
Best Local Similarity 96.1%; Pred. No. 3.7e-96;  
Matches 223; Conservative 5; Mismatches 4; Indels 0; Gaps 0;  
QY 1 EPKSCDKTHTCPCPAPELLGGPSVFLFPPPKDRLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 1 EPKSCDKTHTCPCPAPELLGGPSVFLFPPPKDRLMISRTPEVTCVVVDVSHEDPEVKF 60  
QY 61 NWYVDGVEVHNKTPREEQNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120  
DB 61 NWYVDGVEVHNKTPREEQNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120  
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 180

DB 121 ISKAKGQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 180  
QY 181 PVLDSVGSFFLYSLKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232  
DB 181 PVLDSGSGFFLYSLKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232  
RESULT 7  
US-10-071-499A-15  
; Sequence 15, Application US/10071499A  
; Publication No. US20030104406A1  
; GENERAL INFORMATION:  
; APPLICANT: WOLFMAN, NEIL  
; APPLICANT: KHOR, SOO-PENG  
; TITLE OF INVENTION: MODIFIED AND STABILIZED GDF PROPEPTIDES AND USES THEREOF  
; FILE REFERENCE: 08702-0100-00000  
; CURRENT APPLICATION NUMBER: US/10/071,499A  
; CURRENT FILING DATE: 2002-09-04  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 15  
; LENGTH: 232  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-10-071-499A-15  
Query Match 96.7%; Score 1219; DB 14; Length 232;  
Best Local Similarity 96.1%; Pred. No. 3.7e-96;  
Matches 223; Conservative 5; Mismatches 4; Indels 0; Gaps 0;  
QY 1 EPKSCDKTHTCPCPAPELLGGPSVFLFPPPKDRLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 1 EPKSCDKTHTCPCPAPELLGGPSVFLFPPPKDRLMISRTPEVTCVVVDVSHEDPEVKF 60  
QY 61 NWYVDGVEVHNKTPREEQNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120  
DB 61 NWYVDGVEVHNKTPREEQNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120  
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 180  
DB 121 ISKAKGQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 180  
QY 181 PVLDSVGSFFLYSLKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232  
DB 181 PVLDSGSGFFLYSLKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232

RESULT 8  
US-10-020-354-83  
; Sequence 83, Application US/10020354  
; Publication No. US20030190311A1  
; GENERAL INFORMATION:  
; APPLICANT: DALL'ACQUA, WILLIAM  
; APPLICANT: JOHNSON, LESLIE  
; APPLICANT: WARD, ELIZABETH SALLY  
; TITLE OF INVENTION: MOLECULES WITH EXTENDED HALF-LIVES, COMPOSITIONS AND USES THEREOF  
; FILE REFERENCE: 10271-027  
; CURRENT APPLICATION NUMBER: US/10/020,354  
; CURRENT FILING DATE: 2001-12-12  
; PRIOR APPLICATION NUMBER: 60/254,884  
; PRIOR FILING DATE: 2000-12-12  
; PRIOR APPLICATION NUMBER: 60/238,760  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 118  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 83  
; LENGTH: 232  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-10-020-354-83  
Query Match 96.7%; Score 1219; DB 14; Length 232;  
Best Local Similarity 96.1%; Pred. No. 3.7e-96;

Matches 223; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTHTCPAPAPLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
 Db 1 EPKSCDKHTHTCPAPAPLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIETK 120  
 Db 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIETK 120

QY 121 ISKAKQPREPQVYTLPPSDELTKNQVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPP 180  
 Db 121 ISKAKQPREPQVYTLPPSDELTKNQVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPP 180

QY 181 PVLDSDGSFFLYSKLTVDKSRWQGNVFCVSNVHHEALHNYHQSLSPGK 232  
 Db 181 PVLDSDGSFFLYSKLTVDKSRWQGNVFCVSNVHHEALHNYHQSLSPGK 232

## RESULT 9

US-09-977-034-4  
 ; Sequence 4, Application US/09977034  
 ; Patent No. US20020081664A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lo, Kin-Ming  
 ; APPLICANT: Sun, Yaping  
 ; APPLICANT: Gillies, Stephen D.  
 ; TITLE OF INVENTION: Expression and Export of Interferon-Alpha Proteins as  
 ; FILE REFERENCE: LEX-009  
 ; CURRENT APPLICATION NUMBER: US/09/977,034  
 ; CURRENT FILING DATE: 2001-10-11  
 ; PRIOR APPLICATION NUMBER: US/09/575,503  
 ; PRIOR FILING DATE: 2000-05-19  
 ; PRIOR APPLICATION NUMBER: US 60/134,895  
 ; PRIOR FILING DATE: 1999-05-19  
 ; NUMBER OF SEQ ID NOS: 29  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 4  
 ; LENGTH: 232  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-977-034-4

Query Match 96.0%; Score 1209; DB 9; Length 232;  
 Best Local Similarity 95.7%; Pred. No. 2.7e-95;  
 Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 1 EPKSCDKHTHTCPAPAPLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
 Db 1 EPKSCDKHTHTCPAPAPLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIETK 120  
 Db 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIETK 120

QY 121 ISKAKQPREPQVYTLPPSDELTKNQVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPP 180  
 Db 121 ISKAKQPREPQVYTLPPSDELTKNQVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPP 180

QY 181 PVLDSDGSFFLYSKLTVDKSRWQGNVFCVSNVHHEALHNYHQSLSPGK 232  
 Db 181 PVLDSDGSFFLYSKLTVDKSRWQGNVFCVSNVHHEALHNYHQSLSPGK 232

## RESULT 10

US-10-419-058-6  
 ; Sequence 6, Application US/10419058  
 ; Publication No. US20040053366A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lo, Kin-Ming  
 ; APPLICANT: Zhang, Jinyang  
 ; APPLICANT: Gillies, Stephen D.

; TITLE OF INVENTION: Expression and Export of Anti-Obesity Proteins as Fc  
 ; TITLE OF INVENTION: Fusion Proteins  
 ; FILE REFERENCE: LEX-008  
 ; CURRENT APPLICATION NUMBER: US/10/419,058  
 ; CURRENT FILING DATE: 2003-04-18  
 ; PRIOR APPLICATION NUMBER: US/09/479,508  
 ; PRIOR FILING DATE: 2000-01-07  
 ; PRIOR APPLICATION NUMBER: US 60/115,079  
 ; PRIOR FILING DATE: 1999-01-07  
 ; NUMBER OF SEQ ID NOS: 20  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 6  
 ; LENGTH: 232  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-419-058-6

Query Match 96.0%; Score 1209; DB 12; Length 232;  
 Best Local Similarity 95.7%; Pred. No. 2.7e-95;  
 Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 1 EPKSCDKHTHTCPAPAPLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
 Db 1 EPKSCDKHTHTCPAPAPLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIETK 120  
 Db 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIETK 120

QY 121 ISKAKQPREPQVYTLPPSDELTKNQVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPP 180  
 Db 121 ISKAKQPREPQVYTLPPSDELTKNQVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPP 180

QY 181 PVLDSDGSFFLYSKLTVDKSRWQGNVFCVSNVHHEALHNYHQSLSPGK 232  
 Db 181 PVLDSDGSFFLYSKLTVDKSRWQGNVFCVSNVHHEALHNYHQSLSPGK 232

## RESULT 11

US-10-292-418-2  
 ; Sequence 2, Application US/10292418  
 ; Publication No. US20030139365A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lo, Kin-Ming  
 ; APPLICANT: Li, Yue  
 ; APPLICANT: Gillies, Stephen D.  
 ; TITLE OF INVENTION: Expression and Export of Angiogenesis Inhibitors as  
 ; FILE REFERENCE: LEX-006C1  
 ; CURRENT APPLICATION NUMBER: US/10/292,418  
 ; CURRENT FILING DATE: 2002-11-12  
 ; PRIOR APPLICATION NUMBER: 09/383,315  
 ; PRIOR FILING DATE: 1999-08-25  
 ; PRIOR APPLICATION NUMBER: US 60/097,883  
 ; PRIOR FILING DATE: 1998-08-25  
 ; NUMBER OF SEQ ID NOS: 54  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 2  
 ; LENGTH: 232  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-292-418-2

Query Match 96.0%; Score 1209; DB 14; Length 232;  
 Best Local Similarity 95.7%; Pred. No. 2.7e-95;  
 Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 1 EPKSCDKHTHTCPAPAPLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
 Db 1 EPKSCDKHTHTCPAPAPLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIETK 120  
 Db 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIETK 120

Db 61 NWYDGVVHNKTPREEQYNSTYRVSVTLVHLQDMLNGKEYCKVSNKALPAPIEKT 120  
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGYPSDIAVEWESNGQPNNTKTP 180  
Db 121 ISKAKGQPREPOVYTLPPSRDELTKNOVSLTCLVKGYPSDIAVEWESNGQPNNTKTP 180  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFSVWHEALHNNHYQORSLSLSPGK 232  
Db 181 PVLDSGDSFFLYSKLTVDKSRWQGNVFSVWHEALHNNHYQORSLSLSPGK 232

RESULT 12

US-10-313-135-4  
; Sequence 4, Application US/10313135  
; Publication No. US20030109003A1  
; GENERAL INFORMATION:  
; APPLICANT: Mosley, Bruce  
; Cosman, David J.  
; TITLE OF INVENTION: Receptor for Oncostatin M  
; NUMBER OF SEQUENCES: 11  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunex Corporation  
; STREET: 51 University Street  
; CITY: Seattle  
; STATE: WA  
; COUNTRY: USA  
; ZIP: 98101  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: Apple Macintosh  
; OPERATING SYSTEM: Apple 7.1  
; SOFTWARE: Microsoft Word, Version 5.1a  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/313,135  
; FILING DATE: 06-Dec-2002  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/058,264  
; FILING DATE: <Unknown>  
; APPLICATION NUMBER: US/08/308,881  
; FILING DATE: 12-SEP-1994  
; APPLICATION NUMBER: US 08/249,553  
; FILING DATE: 26-MAY-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Seese, Kathryn A.  
; REGISTRATION NUMBER: 32,172  
; REFERENCE/DOCKET NUMBER: 2614-A  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 587-0430  
; TELEFAX: (206) 233-0644  
; TELEX: 756822  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 232 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:

Query Match 95.3%; Score 1201; DB 14; Length 232;  
Best Local Similarity 94.4%; Pred. No. 1.3e-94;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSDKTHCTPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
Db 1 EPRSDKTHCTPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
QY 61 NWYDGVVHNKTPREEQYNSTYRVSVTLVHLQDMLNGKEYCKVSNKALPAPIEKT 120  
Db 61 NWYDGVVHNKTPREEQYNSTYRVSVTLVHLQDMLNGKEYCKVSNKALPAPIEKT 120  
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKGYPSDIAVEWESNGQPNNTKTP 180

Db 121 ISKAKGQPREPOVYTLPPSRDELTKNOVSLTCLVKGYPSDIAVEWESNGQPNNTKTP 180  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFSVWHEALHNNHYQORSLSLSPGK 232  
Db 181 PVLDSGDSFFLYSKLTVDKSRWQGNVFSVWHEALHNNHYQORSLSLSPGK 232

RESULT 13

US-10-622-108-2  
; Sequence 2, Application US/10622108  
; Publication No. US20040063912A1  
; GENERAL INFORMATION:  
; APPLICANT: Blumberg, Richard S.  
; Lencer, Wayne I.  
; APPLICANT: Simister, Neil E.  
; APPLICANT: Bitonti, Alan J.  
; TITLE OF INVENTION: CENTRAL AIRWAY ADMINISTRATION FOR SYSTEMIC DELIVERY OF THERAPEUTIC  
; FILE REFERENCE: S01383.7001.1 US  
; CURRENT APPLICATION NUMBER: US/10/622,108  
; CURRENT FILING DATE: 2003-07-17  
; PRIOR APPLICATION NUMBER: US 10/435,608  
; PRIOR FILING DATE: 2003-05-09  
; PRIOR APPLICATION NUMBER: PCT/US02/21355  
; PRIOR FILING DATE: 2002-07-03  
; PRIOR APPLICATION NUMBER: US 60/364,482  
; PRIOR FILING DATE: 2002-03-15  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 227  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-10-622-108-2

Query Match 94.8%; Score 1195; DB 12; Length 227;  
Best Local Similarity 96.9%; Pred. No. 4.1e-94;  
Matches 220; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 6 DKHTCTPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKENWYVD 65  
Db 1 DKHTCTPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKENWYVD 60  
QY 66 GVEVHNKTPREEQYNSTYRVSVTLVHLQDMLNGKEYCKVSNKALPAPIEKTISKAK 125  
Db 61 GVEVHNKTPREEQYNSTYRVSVTLVHLQDMLNGKEYCKVSNKALPAPIEKTISKAK 120  
QY 126 VQPREPOVYTLPPSRDELTKNOVSLTCLVKGYPSDIAVEWESNGQPNNTKTPPVLDS 185  
Db 121 GQPREPOVYTLPPSRDELTKNOVSLTCLVKGYPSDIAVEWESNGQPNNTKTPPVLDS 180  
QY 186 VGSFFLYSKLTVDKSRWQGNVFSVWHEALHNNHYQORSLSLSPGK 232  
Db 181 DGSFFLYSKLTVDKSRWQGNVFSVWHEALHNNHYQORSLSLSPGK 227

RESULT 14

US-10-269-695-60  
; Sequence 60, Application US/10269695  
; Publication No. US20030229023A1  
; GENERAL INFORMATION:  
; APPLICANT: OLINER, JONATHAN DANIEL  
; APPLICANT: MIN, HOSUNG  
; TITLE OF INVENTION: SPECIFIC BINDING AGENTS OF HUMAN ANGIOPOIETIN-2  
; FILE REFERENCE: A-801A  
; CURRENT APPLICATION NUMBER: US/10/269,695  
; CURRENT FILING DATE: 2002-10-10  
; PRIOR APPLICATION NUMBER: US 60/414,155  
; PRIOR FILING DATE: 2002-09-27  
; PRIOR APPLICATION NUMBER: US 60/328,624  
; PRIOR FILING DATE: 2001-10-11  
; NUMBER OF SEQ ID NOS: 359  
; SOFTWARE: PatentIn version 3.1

Search completed: August 18, 2004, 01:17:46  
Job time : 46 secs

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; SEQ ID NO 60
; LENGTH: 227
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Human Fc IgG1
US-10-269-695-60

Query Match          94.8%; Score 1195; DB 15; Length 227;
Best Local Similarity 96.3%; Pred. No. 4.1e-94;
Matches 220; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 6 DKHTTCCPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKENWYVD 65
Db 1 DKHTTCCPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKENWYVD 60

QY 66 GVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWNGKEKCKVSNKALPAPIEKTISKAK 125
Db 61 GVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWNGKEKCKVSNKALPAPIEKTISKAK 120

QY 126 VQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDS 185
Db 121 GQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDS 180

QY 186 VGSFFLYSKLTVDKSRWQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232
Db 181 DGSFFLYSKLTVDKSRWQGNVFSCSVMHEALHNHYTQKSLSLSPGK 227

RESULT 15
US-10-435-608-2
; Sequence 2, Application US/10435608
; Publication No. US2003023536A1
; GENERAL INFORMATION:
; APPLICANT: Blumberg, Richard S.
; APPLICANT: Lencer, Wayne I.
; APPLICANT: Simister, Neil E.
; APPLICANT: Bitonti, Alan J.
; TITLE OF INVENTION: CENTRAL AIRWAY ADMINISTRATION FOR SYSTEMIC DELIVERY OF THERAPEUTIC
; FILE REFERENCE: S01983.70010.US
; CURRENT APPLICATION NUMBER: US/10/435,608
; CURRENT FILING DATE: 2003-05-09
; PRIOR APPLICATION NUMBER: PCT/US02/21335
; PRIOR FILING DATE: 2002-07-03
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 227
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-435-608-2

Query Match          94.8%; Score 1195; DB 15; Length 227;
Best Local Similarity 96.3%; Pred. No. 4.1e-94;
Matches 220; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 6 DKHTTCCPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKENWYVD 65
Db 1 DKHTTCCPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKENWYVD 60

QY 66 GVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWNGKEKCKVSNKALPAPIEKTISKAK 125
Db 61 GVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWNGKEKCKVSNKALPAPIEKTISKAK 120

QY 126 VQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDS 185
Db 121 GQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDS 180

QY 186 VGSFFLYSKLTVDKSRWQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232
Db 181 DGSFFLYSKLTVDKSRWQGNVFSCSVMHEALHNHYTQKSLSLSPGK 227
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OM protein - protein search, using sw model

Run on: August 18, 2004, 00:56:48 ; Search time 22.8412 Seconds  
(without alignments)  
1286.060 Million cell updates/sec

Title: US-09-847-208B-7  
Perfect score: 3060  
Sequence: 1 EPKSCDKTHTCPAPPELL.....HEAASPTQVQRAVSNPGK 569

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.\*

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- 2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pap.\*
- 3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pap.\*
- 4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pap.\*
- 5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.pap.\*
- 6: /cgn2\_6/ptodata/2/iaa/backfiles.pap.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1273.5	41.6	711	4	US-09-485-737B-90
2	1247	40.8	277	4	US-09-428-082B-22
3	1243	40.6	268	4	US-09-428-082B-8
4	1232	40.3	660	3	US-09-181-706-8
5	1232	40.3	660	3	US-09-458-731-8
6	1232	40.3	660	3	US-09-459-066-8
7	1232	40.3	660	4	US-09-459-066-8
8	1226	40.1	253	4	US-09-428-082B-16
9	1225	40.0	232	2	US-08-595-043A-50
10	1225	40.0	331	3	US-09-178-869-2
11	1225	40.0	331	4	US-09-763-413-2
12	1225	40.0	360	4	US-09-180-100-11
13	1225	40.0	371	1	US-08-236-311-7
14	1225	40.0	371	3	US-08-457-918-7
15	1225	40.0	376	4	US-09-180-100-22
16	1225	40.0	396	2	US-08-784-512-3
17	1225	40.0	396	3	US-09-176-228-3
18	1225	40.0	424	5	PCT-US95-03866-12
19	1225	40.0	424	5	PCT-US95-03866-14
20	1225	40.0	437	5	PCT-US96-10043-11
21	1225	40.0	442	4	US-08-472-888A-7
22	1225	40.0	442	5	PCT-US96-10043-9
23	1225	40.0	446	3	US-08-397-411-7
24	1225	40.0	449	1	US-08-458-516-13
25	1225	40.0	459	1	US-08-157-101A-7
26	1225	40.0	475	4	US-09-740-002-27
27	1225	40.0	476	2	US-08-378-939-10

28	1225	40.0	476	3	US-08-487-550-4	Sequence 4, Appl
29	1225	40.0	476	3	US-08-487-550-12	Sequence 12, Appl
30	1225	40.0	476	4	US-09-526-098-4	Sequence 4, Appl
31	1225	40.0	476	4	US-09-526-098-12	Sequence 12, Appl
32	1225	40.0	478	3	US-08-487-550-8	Sequence 8, Appl
33	1225	40.0	478	4	US-09-526-098-8	Sequence 8, Appl
34	1225	40.0	497	4	US-09-499-846-6	Sequence 6, Appl
35	1225	40.0	525	4	US-09-499-846-4	Sequence 4, Appl
36	1225	40.0	547	4	US-09-746-359A-54	Sequence 54, Appl
37	1225	40.0	571	4	US-09-746-359A-53	Sequence 53, Appl
38	1225	40.0	592	4	US-09-313-942-8	Sequence 8, Appl
39	1225	40.0	622	4	US-09-499-846-2	Sequence 2, Appl
40	1225	40.0	859	4	US-09-313-942-7	Sequence 7, Appl
41	1225	40.0	951	4	US-09-313-942-9	Sequence 9, Appl
42	1224	40.0	475	4	US-09-740-002-25	Sequence 25, Appl
43	1221	39.9	462	4	US-09-289-942A-7	Sequence 7, Appl
44	1220	39.9	254	2	US-08-284-391B-33	Sequence 33, Appl
45	1220	39.9	254	3	US-09-218-950-33	Sequence 33, Appl

ALIGNMENTS

RESULT 1  
US-09-485-737B-90  
; Sequence 90, Application US/09485737B  
; Patent No. 6350860  
; GENERAL INFORMATION:  
; APPLICANT: Buysse, Marie-Ange  
; APPLICANT: Sablon, Erwin  
; TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,  
; TITLE OF INVENTION: CACHEXIA, IMMUNE DISEASES AND SKIN DISORDERS  
; FILE REFERENCE: INNS:015  
; CURRENT APPLICATION NUMBER: US/09/485,737B  
; CURRENT FILING DATE: 2000-02-14  
; PRIOR APPLICATION NUMBER: PCT/EP 98/05165  
; PRIOR FILING DATE: 1998-08-14  
; PRIOR APPLICATION NUMBER: EPO 98870139.7  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: EPO 97870122.5  
; PRIOR FILING DATE: 1997-08-18  
; NUMBER OF SEQ ID NOS: 104  
; SOFTWARE: Patent in version 3.0  
; SEQ ID NO 90  
; LENGTH: 711  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: SYNTHETIC  
US-09-485-737B-90

Query Match 41.6%; Score 1273.5; DB 4; Length 711;  
Best Local Similarity 50.1%; Pred. No. 4.6e-99;  
Matches 286; Conservative 45; Mismatches 109; Indels 131; Gaps 16;

Qy	1	EPKSCDKTHTCPAPPELLGGPSVFLPPLPKKDITLMISRTPEVTCVVVDVSHEDDEVK	60
Db	236	EPKSCDKTHTCPAPPELLGGPSVFLPPLPKKDITLMISRTPEVTCVVVDVSHEDDEVK	295
Qy	61	NWYDGVVHNVKTRPREEQYNSTYRVSVLVTVLHQNMMNGEYKCKVGNKALPAPIKT	120
Db	296	NWYDGVVHNAKTRPREEQYNSTYRVSVLVTVLHQNMMNGEYKCKVGNKALPAPIKT	355
Qy	121	ISKAKVQPREPQYVTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTP	180
Db	356	ISKAKVQPREPQYVTLPPSRDEMTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTP	415
Qy	181	PVLDSVGSFLLSKLTVDSKRWQGNVFCSSVHNAHNNHQQRSLSLSPGVGGGGSG	240
Db	416	PVLDSVGSFLLSKLTVDSKRWQGNVFCSSVHNAHNNHQQRSLSLSPGVGGGGSG	468
Qy	241	GGGSGGGSGFTPTTKVILQSSCD---GGGHFPPTIQLCLVSGYTPGTINITWLED---	293

Db 469 -----CGGS-----QVQLVQSGSELKKPGA-----SVKISCKASGYTFDYDGMNWKQAPG 514  
QY 294 -----GQVMDVD-----LSTASTTQEGELASTOSELTLQSKHWLSDRT 331  
Db 515 QGLKMGWINTVYDSTYVDFKGFVSLDTSVAALVLIQSSLAEDT-----AT 565  
QY 332 YTC-----QVYQGHTEFEDSTKCADSNPRGVAYLSRSPDFLIRKSPFTITCLVVDL 385  
Db 566 YFCARRGFVMDYWG-----QGTIVTVSSGGGSGGGGGSDVLTQSPA----- 613  
QY 386 AFSKGTVNLTWASRASKPVNSTRKEKQBNGLTIVTSLPVGTRDWIEGETYQCRVTHP 445  
Db 614 -----TMGASPERV-----TLTCSASSISYFWTHQRPGQS----- 646  
QY 446 HLPRLMRSTTK-TSGFRAAPEVYATPEWPGSRDKRTLAQLQNFMPDISVOMWLINE 504  
Db 647 --PRLLIYDTSNLASGVA-----RFGSGSGTYSYLSITSRMEPDPATVFCQS 694  
QY 505 VQLPDARHSTTQPRKTKSGGFVFSRLEVTR 535  
Db 695 SSYP-----FTFGQ-----TKLEIKR 711

RESULT 2  
US-09-428-082B-22  
; Sequence 22, Application US/09428082B  
; Patent No. 6660843  
; GENERAL INFORMATION:  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: LIU, CHUAN-FA  
; APPLICANT: CHEETHAM, JANET C.  
; APPLICANT: BOONE, THOMAS CHARLES  
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
; FILE REFERENCE: A-527  
; CURRENT APPLICATION NUMBER: US/09/428,082B  
; PRIOR FILING DATE: 1999-10-22  
; PRIOR FILING DATE: 1999-10-22  
; PRIOR FILING DATE: 1999-10-22  
; NUMBER OF SEQ ID NOS: 1133  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 22  
; LENGTH: 277  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Pc-EMP-EMP  
US-09-428-082B-22

Query Match 40.8%; Score 1247; DB 4; Length 277;  
Best Local Similarity 81.8%; Pred. No. 2e-97;  
Matches 239; Conservative 7; Mismatches 12; Indels 34; Gaps 5;  
QY 6 DKHTCPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKENWYVD 65  
Db 2 DKHTCPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKENWYVD 61  
QY 66 GVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAK 125  
Db 62 GVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAK 121  
QY 126 VQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD 185  
Db 122 GQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD 181  
QY 186 VGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYQORSLSPGKVEGGSG----- 240  
Db 182 DGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYQORSLSPGKVEGGSG----- 239  
QY 241 -----GGSGGGSGSFTPTVKILQSSCDGGGHPPTIQLLCLVSG 280  
Db 240 HFGPLTWVCKPQGGGGGGGCTY-----SC-----HFGP-LTWVCKPQ 276

RESULT 3  
US-09-428-082B-8  
; Sequence 8, Application US/09428082B  
; Patent No. 6660843  
; GENERAL INFORMATION:  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: LIU, CHUAN-FA  
; APPLICANT: CHEETHAM, JANET C.  
; APPLICANT: BOONE, THOMAS CHARLES  
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
; FILE REFERENCE: A-527  
; CURRENT APPLICATION NUMBER: US/09/428,082B  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR FILING DATE: 1999-10-22  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 1133  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 8  
; LENGTH: 268  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Pc-TMP-TMP  
US-09-428-082B-8

Query Match 40.6%; Score 1243; DB 4; Length 268;  
Best Local Similarity 88.9%; Pred. No. 4.1e-97;  
Matches 232; Conservative 5; Mismatches 14; Indels 10; Gaps 1;  
QY 6 DKHTCPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 65  
Db 2 DKHTCPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD 61  
QY 66 GVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAK 125  
Db 62 GVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAK 121  
QY 126 VQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD 185  
Db 122 GQPREPOVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD 181  
QY 186 VGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYQORSLSPGKVEGGSG----- 240  
Db 182 DGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYQORSLSPGKVEGGSG----- 241  
QY 241 -----GGSGGGSGSFTPTVK 256  
Db 242 WLAARAGGGGGGGGIEGPTLR 262

RESULT 4  
US-09-181-706-8  
; Sequence 8, Application US/09181706  
; Patent No. 6130068  
; GENERAL INFORMATION:  
; APPLICANT: Melanie K. Spriggs, Michael R. Comeau,  
; APPLICANT: Robert F. DuBose, Richard S. Johnson  
; TITLE OF INVENTION: VIRAL ENCODED SEMAPHORIN PROTEIN  
; TITLE OF INVENTION: RECEPTOR DNA AND POLYPEPTIDES  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Janis C. Henry  
; STREET: 51 University St.  
; CITY: Seattle  
; STATE: WA  
; COUNTRY: US  
; ZIP: 98101  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:

Query Match 40.3%; Score 1232; DB 3; Length 660;  
Best Local Similarity 93.0%; Pred. No. 1.3e-95;  
Matches 227; Conservative 7; Mismatches 8; Indels 2; Gaps 1;

	Qy	1	EPKSCDKTHTCPPCPAPELLGGPSVFLFPFKPKDTLMI	SRTPEVTCVVVDVSHEDPEVKF	60
			: : :	:	
	Dd	32	DKRSCDKHTCCPCPAEAGAPSVFLFPFKPKDTLMI	SRTPEVTCVVVDVSHEDPEVKF	91
			:	:	
	Qy	61	NMYDGVVEVHNKTPREBQYNSITRVVSVLTVLHQNWMNGKEYCKVSNKALPAPIET		120
	Dd	92	NNYDGVVEVHNKTPREBQYNSITRVVSVLTVLHQDLNGKEYCKVSNKALPAPIET		151
			:	:	
	Qy	121	ISKAKVPREPQVYTLPSPRDELTKNQVSLTCLIVGFYPDSIDAVESWGSGQPENNYKTTTP		180
			: : :	:	
	Dd	152	ISKAKGQPREPQVYTLPPSRSEMTKNQVSLTCLIVKGFPYSIDAVESWGSGQPENNYKTTTP		211
			:	:	
	Qy	181	PVLDSVGSPFLYSKLTVDKSRWQQGNVFSCSVMHEALHHYQORSLSLSPGKEGGGSG		240
	Dd	212	PVLDSGGSFLYSKLTVDKSRWQQGNVFSCSVMHEALHHYQKSLSLSPGK--GGGGSG		269
			:	:	
	Qy	241	GGGS	244	
	Dd	270	GGGS	273	

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RESULT 6
US-09-459-066-8
; Sequence 8, Application US/09459066
; Patent No. 6187909
;
; GENERAL INFORMATION:
;
; APPLICANT: Spriggs, Melanie
;
; TITLE OF INVENTION: VIRAL ENCODED SEMAPHORIN PROTEIN
;
; TITLE OF INVENTION: RECEPTOR DNA AND POLYPEPTIDES
;
; NUMBER OF SEQUENCES: 10
;
; CORRESPONDENCE ADDRESS:
;
; ADDRESSEE: Janis C. Henry
;
; STREET: 51 University St.
;
; CITY: Seattle
;
; STATE: WA
;
; COUNTRY: US
;
; ZIP: 98101
;
; COMPUTER READABLE FORM:
;
; MEDIUM TYPE: Floppy disk
;
; COMPUTER: IBM PC compatible
;
; OPERATING SYSTEM: MS-DOS/Windows 95
;
; SOFTWARE: Word for Windows 95, 7.0a
;
; CURRENT APPLICATION DATA:
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; APPLICATION NUMBER: US/09/459,066
;
; FILING DATE:

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; NAME: Henry, Janis C
; REGISTRATION NUMBER: 34,347
; REFERENCE/DOCKET NUMBER: 2631
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)470-4189
; TELEFAX: (206)233-0644
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 660 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-459-065-8

Query Match 40.3% Score 1232; DB 4; Length 660;
Best Local Similarity 93.0%; Pred. No. 1.3e-95;
Matches 227; Conservative 7; Mismatches 8; Indels 2; Gaps 1;

QY 1 EPKCDKTHTCPCPCAPELGGSPVFLFPFKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
DB : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 32 DKRSCKDTHTCPCPCAPAEAGSPVFLFPFKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 91
QY 61 NWYVDGVEVKNVTKPREEOYNTSYVWSVLTVLHONMNGKEYCKYCKVSNKALPAPIEKT 120
DB : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 92 NWYVDGVEVENAKTKPREEOYNTSYVWSVLTVLHQDWLNGKEYCKYCKVSNKALPAPIEKT 151
QY 121 ISKAKVQPREPOVYTLPPSPDELTKNQVSLTCLVKGFPESDIAVWESNGOPENNYKTTP 180
DB : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 152 ISKAKGQPREPOVYTLPPSPREEMTKNQVSLTCLVKGFPESDIAVWESNGOPENNYKTTP 211
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGVFSCSVMHAEALHHHYQORSLSLSPGVVEGGGSG 240
DB : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 212 PVLDSGSGFFLYSKLTVDKSRWQGVFSCSVMHAEALHHHYTKQSLSLSPGK--GGGGSG 269
QY 241 GGGS 244
DB 270 GGGS 273

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RESULT 8
US-09-428-082B-16
; Sequence 16, Application US/09428082B
; Patent No. 6660843
; GENERAL INFORMATION:
; APPLICANT: FEIGB, ULRICH
; APPLICANT: LIU, CHUAN-PA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/09/428, 082B
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 253
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: FC-EMP
US-09-428-082B-16

Query Match 40.1%; Score 1226; DB 4; Length 253;
Best Local Similarity 84.7%; Prod No 1e-95;
Matches 233; Conservative 7; Mismatches 11; Indels 24; Gaps 4

QY 6 DKHTCTPCPAPELLGGPSVFLFPPKKPTLMI SRTPEVTCVVVDVSHEDPEVKNNWYD 65
DB 2 DKHTCTPCPAPELLGGPSVFLFPPKKPTLMI SRTPEVTCVVVDVSHEDPEVKNNWYD 61
66 GVEHVNKTKTPREEYONSTYRVVSVLTVLIHONWNGKEVKCKVSKNALPAPIEKTISKAK 125

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Db 62 GVEHNATKPREQYNSTYRWSVLTVLHODWLNKKEYCKVSNKALPAPIEKTISKAK 121  
QY 126 VQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPPVLD 185  
Db 122 QPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPPVLD 181  
QY 186 VGSFFLYSLKLTVDKSRWQQGNVFCSCVMHEALHNHYQOQSLSLSPGKVGSGGGSG 245  
Db 182 DGSFFLYSLKLTVDKSRWQQGNVFCSCVMHEALHNHYQOQSLSLSPGK-----GGGG 232  
QY 246 GGSFPTPTVKLIQSSDGGGHPPTIQLLCLVSG 280  
Db 233 GGGTY-----SC-----HFGP-LTWVCKPG 252  
RESULT 9  
US-08-595-043A-50  
; Sequence 50, Application US/08595043A  
; Patent No. 5935824  
; GENERAL INFORMATION:  
; APPLICANT: SGARLATO, GREGORY D.  
; TITLE OF INVENTION: PROTEIN EXPRESSION SYSTEM  
; NUMBER OF SEQUENCES: 90  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/595,043A  
; FILING DATE: 31-JAN-1996  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: SGAR-00371  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 50:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 232 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-595-043A-50  
Query Match 40.0%; Score 1225; DB 2; Length 232;  
Best Local Similarity 97.0%; Pred. No. 1.1e-95;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
QY 1 EPKSCDKTHTCPCPAPELLGGPSVFLPDKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
Db 1 EPKSCDKTHTCPCPAPELLGGPSVFLPDKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQWNMNGKEYCKVSNKALPAPIEKT 120  
Db 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQWNMNGKEYCKVSNKALPAPIEKT 120  
QY 121 ISKAKVQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 180  
Db 121 ISKAKVQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 180  
QY 181 PVLDSDGSFFLYSLKLTVDKSRWQQGNVFCSCVMHEALHNHYQOQSLSLSPGK 232

Db 181 PVLDSDGSFFLYSLKLTVDKSRWQQGNVFCSCVMHEALHNHYQOQSLSLSPGK 232  
RESULT 10  
US-09-178-869-2  
; Sequence 2, Application US/09178869B  
; Patent No. 6197294  
; GENERAL INFORMATION:  
; APPLICANT: Tao, Weng  
; APPLICANT: Wong, Shou  
; APPLICANT: Hickey, William F.  
; APPLICANT: Hammang, Joseph P.  
; APPLICANT: Baetge, E. Edward  
; TITLE OF INVENTION: CELL SURFACE-INDUCED MACROPHAGE ACTIVATION  
; FILE REFERENCE: 17810-043  
; CURRENT APPLICATION NUMBER: US/09/178,869B  
; CURRENT FILING DATE: 1998-10-26  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 331  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-178-869-2  
Query Match 40.0%; Score 1225; DB 3; Length 331;  
Best Local Similarity 97.0%; Pred. No. 1.1e-95;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
QY 1 EPKSCDKTHTCPCPAPELLGGPSVFLPDKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
Db 100 EPKSCDKTHTCPCPAPELLGGPSVFLPDKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 159  
QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQWNMNGKEYCKVSNKALPAPIEKT 120  
Db 160 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQWNMNGKEYCKVSNKALPAPIEKT 219  
QY 121 ISKAKVQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 180  
Db 220 ISKAKVQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT 279  
QY 181 PVLDSDGSFFLYSLKLTVDKSRWQQGNVFCSCVMHEALHNHYQOQSLSLSPGK 232  
Db 280 PVLDSDGSFFLYSLKLTVDKSRWQQGNVFCSCVMHEALHNHYQOQSLSLSPGK 331  
RESULT 11  
US-09-761-413-2  
; Sequence 2, Application US/09761413  
; Patent No. 6506891  
; GENERAL INFORMATION:  
; APPLICANT: Tao, Weng  
; APPLICANT: Wong, Shou  
; APPLICANT: Hickey, William F.  
; APPLICANT: Hammang, Joseph P.  
; APPLICANT: Baetge, E. Edward  
; TITLE OF INVENTION: CELL SURFACE-INDUCED MACROPHAGE ACTIVATION  
; FILE REFERENCE: 17810-043  
; CURRENT APPLICATION NUMBER: US/09/761,413  
; CURRENT FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US/09/178,869  
; PRIOR FILING DATE: 1998-10-26  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 331  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-761-413-2  
Query Match 40.0%; Score 1225; DB 4; Length 331;  
Best Local Similarity 97.0%; Pred. No. 1.1e-95;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 100 EPKSCDKTHCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 159  
QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQNMNMGKEYCKVSNKALPAPIETK 120  
DB 160 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQNMNMGKEYCKVSNKALPAPIETK 219  
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVWESNGQPENNYKTTP 180  
DB 220 ISKAKVQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVWESNGQPENNYKTTP 279  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSNVHGHYQORSLSPGK 232  
DB 280 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSNVHGHYQORSLSPGK 331

## RESULT 12

US-09-180-100-11  
; Sequence 11, Application US/09180100  
; Patent No. 6306395  
; GENERAL INFORMATION:  
; APPLICANT: NAKAMURA, No. 6306395io  
; APPLICANT: NAGATA, Shigekazu  
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE  
; FILE REFERENCE: 1110-207P  
; CURRENT APPLICATION NUMBER: US/09/180,100  
; EARLIER FILING DATE: 1998-11-02  
; EARLIER APPLICATION NUMBER: PCT/JP97/01502  
; EARLIER FILING DATE: 1997-05-01  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 360  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-180-100-11

Query Match 40.0%; Score 1225; DB 4; Length 360;

Best Local Similarity 97.0%; Pred. No. 2.1e-95;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 129 EPKSCDKTHCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 188  
QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQNMNMGKEYCKVSNKALPAPIETK 120  
DB 189 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQNMNMGKEYCKVSNKALPAPIETK 248  
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVWESNGQPENNYKTTP 180  
DB 249 ISKAKVQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVWESNGQPENNYKTTP 308  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSNVHGHYQORSLSPGK 232  
DB 309 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSNVHGHYQORSLSPGK 360

## RESULT 13

US-08-236-311-7  
; Sequence 7, Application US/08236311  
; Patent No. 5565335  
; GENERAL INFORMATION:  
; APPLICANT: Capon, Daniel J.  
; APPLICANT: Gregory, Timothy J.  
; TITLE OF INVENTION: Adhesion Variants  
; NUMBER OF SEQUENCES: 25  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco

; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: patin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/236,311  
; FILING DATE: 02-MAY-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/936190  
; FILING DATE: 26-AUG-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/842777  
; FILING DATE: 18-FEB-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/250785  
; FILING DATE: 28-SEP-1988  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/104329  
; FILING DATE: 02-OCT-1987  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Hasak, Janet E.  
; REGISTRATION NUMBER: 28,616  
; REFERENCE/DOCKET NUMBER: 444P1C2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415/225-1896  
; TELEFAX: 415/952-9881  
; TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 7:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 371 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
US-08-236-311-7

Query Match 40.0%; Score 1225; DB 1; Length 371;

Best Local Similarity 97.0%; Pred. No. 2.2e-95;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 140 EPKSCDKTHCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 199  
QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQNMNMGKEYCKVSNKALPAPIETK 120  
DB 200 NWYVDGVEVHNVTKPREEQYNSTYRVVSVLTVLHQNMNMGKEYCKVSNKALPAPIETK 259  
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVWESNGQPENNYKTTP 180  
DB 260 ISKAKVQPREPQVYTLPPSRDELTKNOVSLTCLVKGFPYSDIAVWESNGQPENNYKTTP 319  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSNVHGHYQORSLSPGK 232  
DB 320 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSNVHGHYQORSLSPGK 371

## RESULT 14

US-08-457-918-7  
; Sequence 7, Application US/08457918  
; Patent No. 6117655  
; GENERAL INFORMATION:  
; APPLICANT: Capon, Daniel J.  
; APPLICANT: Gregory, Timothy J.  
; TITLE OF INVENTION: Adhesion Variants  
; NUMBER OF SEQUENCES: 25  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco

STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/457,918  
FILING DATE: 1-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/236311  
FILING DATE: 02-MAY-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/936190  
FILING DATE: 26-AUG-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/842777  
FILING DATE: 18-FEB-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/250785  
FILING DATE: 28-SEP-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/104329  
FILING DATE: 02-OCT-1987  
ATTORNEY/AGENT INFORMATION:  
NAME: Kubinec, Jeffrey S.  
REGISTRATION NUMBER: 36,575  
REFERENCE/DOCKET NUMBER: P0444P1C3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-8228  
TELEFAX: 415/352-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 371 amino acids  
TYPE: amino acid  
TOPOLOGY: linear

US-08-457-918-7

Query Match 40.0%; Score 1225; DB 3; Length 371;  
Best Local Similarity 97.0%; Pred. No. 2.2e-95;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 140 EPKSCDKTHTCPCPAPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 199

QY 61 NWYVDGVEVHNKTPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120  
DB 200 NWYVDGVEVHNKTPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 259

QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTP 180  
DB 260 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTP 319

QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232  
DB 320 PVLDSVGSFFLYSKLTVDKSRWQGNVFSCSVMHEALHNHYTQKSLSLSPGK 371

RESULT 15

US-09-180-100-22  
Sequence 22, Application US/09180100  
Patent No. 6306395  
GENERAL INFORMATION:  
APPLICANT: NAKAMURA, No. 630639510  
APPLICANT: NAGATA, Shigekazu  
TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE  
FILE REFERENCE: 1110-207P  
CURRENT APPLICATION NUMBER: US/09/180,100

CURRENT FILING DATE: 1998-11-02  
EARLIER APPLICATION NUMBER: PCT/JP97/01502  
EARLIER FILING DATE: 1997-05-01  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 22  
LENGTH: 376  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-180-100-22

Query Match 40.0%; Score 1225; DB 4; Length 376;  
Best Local Similarity 97.0%; Pred. No. 2.2e-95;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 145 EPKSCDKTHTCPCPAPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 204

QY 61 NWYVDGVEVHNKTPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120  
DB 205 NWYVDGVEVHNKTPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 264

QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTP 180  
DB 265 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTP 324

QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFSCSVMHEALHNHYTQKSLSLSPGK 232  
DB 325 PVLDSVGSFFLYSKLTVDKSRWQGNVFSCSVMHEALHNHYTQKSLSLSPGK 376

Search completed: August 18, 2004, 01:00:27  
Job time : 23.8412 secs





GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.  
OM protein - protein search, using sw model  
Run on: August 18, 2004, 00:59:09 ; Search time 61.4175 Seconds  
(without alignments)  
2908.366 Million cell updates/sec

Title: US-09-847-208B-7  
Perfect score: 3060  
Sequence: 1 EPKSCDKHTCPCPAPELL.....HEAAPSQTQRAVSNPK 569  
Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5  
Searched: 1292805 seqs, 313927144 residues  
Total number of hits satisfying chosen parameters: 1292805  
Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :				Published Applications AA:*			
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2:	/cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*						
3:	/cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*						
4:	/cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*						
5:	/cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*						
6:	/cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*						
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12:	/cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*						
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14:	/cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*						
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16:	/cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*						
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	3060	100.0	569	10	US-09-847-208-7	Sequence 7, Appli
2	3060	100.0	569	12	US-10-000-439-7	Sequence 7, Appli
3	1775	58.0	574	13	US-10-047-542-45	Sequence 45, Appli
4	1775	58.0	574	14	US-10-214-524-37	Sequence 37, Appli
5	1775	58.0	574	14	US-10-050-902-176	Sequence 176, App
6	1775	58.0	574	14	US-10-050-898-176	Sequence 176, App
7	1766	57.7	427	10	US-09-847-208-5	Sequence 5, Appli
8	1766	57.7	427	12	US-10-000-439-5	Sequence 5, Appli
9	1766	57.7	428	9	US-09-916-230-1	Sequence 1, Appli
10	1766	57.7	428	9	US-09-949-375A-1	Sequence 1, Appli
11	1766	57.7	428	13	US-10-047-542-60	Sequence 60, Appli
12	1755	57.4	441	9	US-09-949-375A-7	Sequence 7, Appli
13	1729	56.5	592	14	US-10-207-655-334	Sequence 334, App
14	1707	55.8	320	10	US-09-847-208-6	Sequence 6, Appli
15	1707	55.8	320	12	US-10-000-439-6	Sequence 6, Appli

16	1707	55.8	323	9	US-09-949-375A-2	Sequence 2, Appli
17	1707	55.8	323	9	US-09-949-375A-4	Sequence 4, Appli
18	1707	55.8	323	9	US-09-949-375A-6	Sequence 6, Appli
19	1707	55.8	331	9	US-09-401-636-1	Sequence 1, Appli
20	1707	55.8	331	14	US-10-176-664-1	Sequence 1, Appli
21	1707	55.8	331	14	US-10-207-855-329	Sequence 329, App
22	1707	55.8	331	16	US-10-673-594-1	Sequence 1, Appli
23	1705.5	55.7	426	14	US-10-214-524-26	Sequence 26, Appli
24	1696	55.4	336	9	US-09-949-375A-8	Sequence 8, Appli
25	1671	54.6	330	9	US-09-949-375A-10	Sequence 10, Appli
26	1649	53.9	347	14	US-10-152-190-13	Sequence 13, Appli
27	1579	51.6	347	14	US-10-152-190-12	Sequence 12, Appli
28	1566.5	51.2	348	14	US-10-152-190-11	Sequence 11, Appli
29	1527.5	49.9	697	12	US-10-385-802-48	Sequence 48, Appli
30	1471.5	48.1	883	12	US-10-385-802-2	Sequence 2, Appli
31	1435.5	46.9	346	14	US-10-152-190-14	Sequence 14, Appli
32	1364.5	44.6	346	14	US-10-152-190-10	Sequence 10, Appli
33	1340	43.8	949	12	US-10-232-838-19	Sequence 19, Appli
34	1273.5	41.6	711	14	US-10-071-485-90	Sequence 90, Appli
35	1260	41.2	232	10	US-09-847-208-3	Sequence 3, Appli
36	1260	41.2	232	12	US-10-000-439-3	Sequence 3, Appli
37	1260	41.2	330	10	US-09-847-208-2	Sequence 2, Appli
38	1260	41.2	330	12	US-10-000-439-2	Sequence 2, Appli
39	1255.5	41.0	526	12	US-10-385-802-52	Sequence 52, Appli
40	1247	40.8	277	12	US-10-609-217-20	Sequence 22, Appli
41	1247	40.8	277	12	US-10-632-388-22	Sequence 22, Appli
42	1247	40.8	277	12	US-10-651-723-22	Sequence 22, Appli
43	1247	40.8	277	12	US-10-645-761-22	Sequence 22, Appli
44	1247	40.8	277	16	US-10-666-696-22	Sequence 22, Appli
45	1247	40.8	277	16	US-10-653-048-22	Sequence 22, Appli

ALIGNMENTS

RESULT 1  
US-09-847-208-7  
; Sequence 7, Application US/09847208  
; Publication No. US20030082190A1  
; GENERAL INFORMATION:  
; APPLICANT: Saxon, Andrew  
; APPLICANT: Zhang, Ke  
; APPLICANT: Zhu, Daocheng  
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF  
; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES  
; FILE REFERENCE: UC67,002A  
; CURRENT APPLICATION NUMBER: US/09/847,208  
; CURRENT FILING DATE: 2001-05-01  
; NUMBER OF SEQ ID NOS: 177  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 7  
; LENGTH: 569  
; TYPE: PRT  
; ORGANISM: Unknown  
; FEATURE:  
; OTHER INFORMATION: Fusion between hinge-CH2-CH3 (IGL1) to CH2-CH3-CH4  
; OTHER INFORMATION: (IGE)

Query Match	100.0%	Score	3060	DB	10	Length	569
Best Local Similarity	100.0%	Pred. No.	7.8e-208				
Matches	569	Conservative	0	Mismatches	0	Indels	0
Gaps	0						
Qy	1	EPKSCDKHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF	60				
Db	1	EPKSCDKHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF	60				
Qy	61	NWTVGDGEVHNKTKPREQYNSYTVSVLTVLHONWNGKEYCKVSNKALPAPIETK	120				
Db	61	NWTVGDGEVHNKTKPREQYNSYTVSVLTVLHONWNGKEYCKVSNKALPAPIETK	120				
Qy	121	ISKAKVQPEPQVYTLPPSRDELTKNQVSLTCLIVKGFPYSDIAVEWESNGQPENNYKTT	180				

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Db 121 ISKAKVQPREPQVYTLPPSRDELTKNQSLTCLVKGFPSDIAVEWESNGQPENNYKTP 180
QY 181 PVLDSVGSFPLYSKLTVDKSRWQGNVFCSCVMHEALHNNHYQQRSLSPCKVEGGGSG 240
Db 181 PVLDSVGSFPLYSKLTVDKSRWQGNVFCSCVMHEALHNNHYQQRSLSPCKVEGGGSG 240
QY 241 GGGGGGGGFTPTVKILQSSCDGGGHFPPTIQLCLVSGYTPGTINITWLEDGQVMDVD 300
Db 241 GGGGGGGGFTPTVKILQSSCDGGGHFPPTIQLCLVSGYTPGTINITWLEDGQVMDVD 300
QY 301 LSTASTTQGEGLASTQSELTLSQKHWSLSDRTYTCQVYQGHTEFEDSTKCADSNPRGUSA 360
Db 301 LSTASTTQGEGLASTQSELTLSQKHWSLSDRTYTCQVYQGHTEFEDSTKCADSNPRGUSA 360
QY 361 YLSRPSFDFLRKSPFTITCLVVDLAPSKGTNLTWRSRAGKPVNHSRKEEKQKNGTLT 420
Db 361 YLSRPSFDFLRKSPFTITCLVVDLAPSKGTNLTWRSRAGKPVNHSRKEEKQKNGTLT 420
QY 421 VTSTLPVGTMDWIEGTYQCRVTHPLPALMRSTTKTSGPRAAPEVYAFATPEWFGSRD 480
Db 421 VTSTLPVGTMDWIEGTYQCRVTHPLPALMRSTTKTSGPRAAPEVYAFATPEWFGSRD 480
QY 481 KRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVSRLEVTRAWEQ 540
Db 481 KRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVSRLEVTRAWEQ 540
QY 541 KDEFICRAVHEAASPSQTVQRAVSNPVGK 569
Db 541 KDEFICRAVHEAASPSQTVQRAVSNPVGK 569

RESULT 2
US-10-000-439-7
; Sequence 7, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; TITLE OF INVENTION: TREATMENT OF IMMUNE DISEASES
; FILE REFERENCE: UC067.004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 569
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Fusion polypeptide comprising a hinge-CH2-CH3
; OTHER INFORMATION: (IGGI) sequence and a CH2-CH3-CH4 (Ige) sequence
US-10-000-439-7

Query Match 100.0%; Score 3060; DB 12; Length 569;
Best Local Similarity 100.0%; Pred. No. 7, 8e-208;
Matches 569; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 1 EPKSCDKHTCCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NYVDGVEVHNKTKPEEQYNSYTRVSVLTVLHQNMNNGKEYCKVSNKALPAPIEKT 120
Db 61 NYVDGVEVHNKTKPEEQYNSYTRVSVLTVLHQNMNNGKEYCKVSNKALPAPIEKT 120
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQSLTCLVKGFPSDIAVEWESNGQPENNYKTP 180
Db 121 ISKAKVQPREPQVYTLPPSRDELTKNQSLTCLVKGFPSDIAVEWESNGQPENNYKTP 180
QY 181 PVLDSVGSFPLYSKLTVDKSRWQGNVFCSCVMHEALHNNHYQQRSLSPCKVEGGGSG 240

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Db 181 PVLDSVGSFPLYSKLTVDKSRWQGNVFCSCVMHEALHNNHYQQRSLSPCKVEGGGSG 240
QY 241 GGGGGGGGFTPTVKILQSSCDGGGHFPPTIQLCLVSGYTPGTINITWLEDGQVMDVD 300
Db 241 GGGGGGGGFTPTVKILQSSCDGGGHFPPTIQLCLVSGYTPGTINITWLEDGQVMDVD 300
QY 301 LSTASTTQGEGLASTQSELTLSQKHWSLSDRTYTCQVYQGHTEFEDSTKCADSNPRGUSA 360
Db 301 LSTASTTQGEGLASTQSELTLSQKHWSLSDRTYTCQVYQGHTEFEDSTKCADSNPRGUSA 360
QY 361 YLSRPSFDFLRKSPFTITCLVVDLAPSKGTNLTWRSRAGKPVNHSRKEEKQKNGTLT 420
Db 361 YLSRPSFDFLRKSPFTITCLVVDLAPSKGTNLTWRSRAGKPVNHSRKEEKQKNGTLT 420
QY 421 VTSTLPVGTMDWIEGTYQCRVTHPLPALMRSTTKTSGPRAAPEVYAFATPEWFGSRD 480
Db 421 VTSTLPVGTMDWIEGTYQCRVTHPLPALMRSTTKTSGPRAAPEVYAFATPEWFGSRD 480
QY 481 KRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVSRLEVTRAWEQ 540
Db 481 KRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVSRLEVTRAWEQ 540
QY 541 KDEFICRAVHEAASPSQTVQRAVSNPVGK 569
Db 541 KDEFICRAVHEAASPSQTVQRAVSNPVGK 569

RESULT 3
US-10-047-542-45
; Sequence 45, Application US/10047542
; Publication No. US20020168367A1
; GENERAL INFORMATION:
; APPLICANT: LARRICK, JAMES W.
; APPLICANT: WYCOFF, KEITH L.
; TITLE OF INVENTION: NOVEL IMMUNOADHESINS FOR TREATING AND PREVENTING VIRAL
; TITLE OF INVENTION: AND BACTERIAL DISEASES
; FILE REFERENCE: 030905.0004.CIPI
; CURRENT APPLICATION NUMBER: US/10/047,542
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: PCT/US01/13932
; PRIOR FILING DATE: 2001-04-28
; PRIOR APPLICATION NUMBER: 60/200,298
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 45
; LENGTH: 574
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-047-542-45

Query Match 58.0%; Score 1775; DB 13; Length 574;
Best Local Similarity 77.3%; Pred. No. 5, 4e-117;
Matches 351; Conservative 17; Mismatches 60; Indels 26; Gaps 8;

QY 120 TISKAKVQPREPQVYTLPPSRDELTKNQVSLT--CLVKGFPSDIAVEWESNGQPENNYK 177
Db 143 TVASASTQ--SPSVFPLTRCCNIPSNATSVTLGCLATGFFPEPVMVWDT--GSLNGTMM 199
QY 178 TTP-PVLDSVGSFPLYSKLTVDKSRWQGNVFCSCVMHEALHNNHY--QQRSLSPCKVEG 235
Db 200 TLPATTLTSLGHVATISLTLV--SGAWAK-QMFTCRVAHTPSSTDWYDNKTFSYC----- 251
QY 236 GGGGGGGGSGGSGFFPTVKILQSSCDGGGHFPPTIQLCLVSGYTPGTINITWLEDQ 295
Db 252 -----SRDFTPTVKILQSSCDGGGHFPPTIQLCLVSGYTPGTINITWLEDQ 300
QY 296 VMDVDLSTASTTQGEGLASTQSELTLSQKHWSLSDRTYTCQVYQGHTEFEDSTKCADSNP 355
Db 301 VMDVDLSTASTTQGEGLASTQSELTLSQKHWSLSDRTYTCQVYQGHTEFEDSTKCADSNP 360
QY 356 RGVSAVLSRSPDLFRKSPFTITCLVVDLAPSKGTNLTWRSRAGKPVNHSRKEEKOR 415

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Db 361 RGVAYLSRPSFDFLRKSTTICLVVDLAPSKGTNLTWSRASKPVNHSRKEKQR 420  
Qy 416 NGTLTVSTLTVGTRDMEGETYQCRVTHPLPALMRSTTKTSGPRAAEVYAFATPEW 475  
Db 421 NGTLTVSTLTVGTRDMEGETYQCRVTHPLPALMRSTTKTSGPRAAEVYAFATPEW 480  
Qy 476 PGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTR 535  
Db 481 PGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTR 540  
Qy 536 AEWEQKDEFFICRAVHEAASPSQTQRAVSNVPGK 569  
Db 541 AEWEQKDEFFICRAVHEAASPSQTQRAVSNVPGK 574

RESULT 4  
US-10-214-524-37  
; Sequence 37, Application US/10214524  
; Publication No. US20030073142A1  
; GENERAL INFORMATION:  
; APPLICANT: Chen, Swei-Shen Alex  
; APPLICANT: Yang, Yong-Min  
; APPLICANT: Barankiewicz, Theresa J.  
; APPLICANT: Chen, Zhong  
; TITLE OF INVENTION: IMMUNOGLOBULIN E VACCINES AND METHODS OF USE THEREOF  
; FILE REFERENCE: IGE-00101.P.1.1  
; CURRENT APPLICATION NUMBER: US/10/214,524  
; PRIOR FILING DATE: 2002-08-08  
; PRIOR APPLICATION NUMBER: 60/312,120  
; PRIOR FILING DATE: 2001-08-13  
; NUMBER OF SEQ ID NOS: 61  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 37  
; LENGTH: 574  
; TYPE: PRT  
; ORGANISM: Human (Homo sapiens)  
US-10-214-524-37

Query Match 58.0%; Score 1775; DB 14; Length 574;  
Best Local Similarity 77.3%; Pred. No. 5.4e-117;  
Matches 351; Conservative 17; Mismatches 60; Indels 26; Gaps 8;  
Qy 120 TISKAKVQPREPQVYTLPPSRDELTKNQVSLT--CLVKGFPYPSDIAVESNGQPENNYK 177  
Db 143 TVSSASTQ--SPSVFPLTRCCKNIPSNATSVTLGCLATGTFPEPVMVTWDT--GSLNGTTM 199  
Qy 178 TTP-PVLDSVGSFPLYSKLTVDKSRWQQGNVFSVSMHEALHNY--QQRSLSLSPGKVEG 235  
Db 200 TLPATTLTSLGHYATISLTV--SGAWAK-QMFTCRVAHTPSSTDWVDNKTFSVC----- 251  
Qy 236 GGGSGGGGGGGGFTPTTKVILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQ 295  
Db 252 -----SRDFTPTTKVILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQ 300  
Qy 296 VMDVDLSTASTQEGELASTQSELTLSQKHWSLDRYTCQVYQGHFTFEDSTKKCADSNP 355  
Db 301 VMDVDLSTASTQEGELASTQSELTLSQKHWSLDRYTCQVYQGHFTFEDSTKKCADSNP 360  
Qy 356 RGVAYLSRPSFDFLRKSTTICLVVDLAPSKGTNLTWSRASKPVNHSRKEKQR 415  
Db 361 RGVAYLSRPSFDFLRKSTTICLVVDLAPSKGTNLTWSRASKPVNHSRKEKQR 420  
Qy 416 NGTLTVSTLTVGTRDMEGETYQCRVTHPLPALMRSTTKTSGPRAAEVYAFATPEW 475  
Db 421 NGTLTVSTLTVGTRDMEGETYQCRVTHPLPALMRSTTKTSGPRAAEVYAFATPEW 480  
Qy 476 PGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTR 535  
Db 481 PGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTR 540  
Qy 536 AEWEQKDEFFICRAVHEAASPSQTQRAVSNVPGK 569  
Db 541 AEWEQKDEFFICRAVHEAASPSQTQRAVSNVPGK 574

RESULT 5  
US-10-050-902-176  
; Sequence 176, Application US/10050902  
; Publication No. US20030175290A1  
; GENERAL INFORMATION:  
; APPLICANT: Renner, Wolfgang A.  
; APPLICANT: Bachmann, Martin  
; APPLICANT: Tissot, Alain  
; APPLICANT: Maurer, Patrick  
; APPLICANT: Lechner, Franziska  
; APPLICANT: Sebbel, Peter  
; APPLICANT: Prosssek, Christine  
; TITLE OF INVENTION: Molecular Antigen Array  
; FILE REFERENCE: 1700.0190004  
; CURRENT APPLICATION NUMBER: US/10/050,902  
; PRIOR FILING DATE: 2002-01-18  
; PRIOR APPLICATION NUMBER: US 60/262,379  
; PRIOR FILING DATE: 2001-01-19  
; PRIOR APPLICATION NUMBER: US 60/288,549  
; PRIOR FILING DATE: 2001-05-04  
; PRIOR APPLICATION NUMBER: US 60/326,998  
; PRIOR FILING DATE: 2001-10-05  
; PRIOR APPLICATION NUMBER: US 60/331,045  
; PRIOR FILING DATE: 2001-11-07  
; NUMBER OF SEQ ID NOS: 350  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 176  
; LENGTH: 574  
; TYPE: PRT  
; ORGANISM: Ige heavy chain  
US-10-050-902-176

Query Match 58.0%; Score 1775; DB 14; Length 574;  
Best Local Similarity 77.3%; Pred. No. 5.4e-117;  
Matches 351; Conservative 17; Mismatches 60; Indels 26; Gaps 8;  
Qy 120 TISKAKVQPREPQVYTLPPSRDELTKNQVSLT--CLVKGFPYPSDIAVESNGQPENNYK 177  
Db 143 TVSSASTQ--SPSVFPLTRCCKNIPSNATSVTLGCLATGTFPEPVMVTWDT--GSLNGTTM 199  
Qy 178 TTP-PVLDSVGSFPLYSKLTVDKSRWQQGNVFSVSMHEALHNY--QQRSLSLSPGKVEG 235  
Db 200 TLPATTLTSLGHYATISLTV--SGAWAK-QMFTCRVAHTPSSTDWVDNKTFSVC----- 251  
Qy 236 GGGSGGGGGGGGFTPTTKVILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQ 295  
Db 252 -----SRDFTPTTKVILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDGQ 300  
Qy 296 VMDVDLSTASTQEGELASTQSELTLSQKHWSLDRYTCQVYQGHFTFEDSTKKCADSNP 355  
Db 301 VMDVDLSTASTQEGELASTQSELTLSQKHWSLDRYTCQVYQGHFTFEDSTKKCADSNP 360  
Qy 356 RGVAYLSRPSFDFLRKSTTICLVVDLAPSKGTNLTWSRASKPVNHSRKEKQR 415  
Db 361 RGVAYLSRPSFDFLRKSTTICLVVDLAPSKGTNLTWSRASKPVNHSRKEKQR 420  
Qy 416 NGTLTVSTLTVGTRDMEGETYQCRVTHPLPALMRSTTKTSGPRAAEVYAFATPEW 475  
Db 421 NGTLTVSTLTVGTRDMEGETYQCRVTHPLPALMRSTTKTSGPRAAEVYAFATPEW 480  
Qy 476 PGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTR 535  
Db 481 PGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTR 540  
Qy 536 AEWEQKDEFFICRAVHEAASPSQTQRAVSNVPGK 569  
Db 541 AEWEQKDEFFICRAVHEAASPSQTQRAVSNVPGK 574

RESULT 6  
US-10-050-898-176

```
; Sequence 176, Application US/10050898
; Publication No. US2003017571A1
; GENERAL INFORMATION:
; APPLICANT: Renner, Wolfgang A.
; APPLICANT: Bachmann, Martin
; APPLICANT: Tissot, Alain
; APPLICANT: Maurer, Patrick
; APPLICANT: Lechner, Frankiska
; APPLICANT: Seibel, Peter
; APPLICANT: Piossek, Christine
; APPLICANT: Ortman, Rainer
; APPLICANT: Luond, Rainer
; APPLICANT: Staufenbiel, Matthias
; APPLICANT: Frey, Peter
; TITLE OF INVENTION: Molecular Antigen Array
; FILE REFERENCE: 1700.0190005
; CURRENT APPLICATION NUMBER: US/10/050,898
; CURRENT FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: US 60/262,379
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: US 60/288,549
; PRIOR FILING DATE: 2001-05-04
; PRIOR APPLICATION NUMBER: US 60/326,998
; PRIOR FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: US 60/331,045
; PRIOR FILING DATE: 2001-11-07
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 176
; LENGTH: 574
; TYPE: PRT
; ORGANISM: Ige heavy chain
US-10-050-898-176
```

```
Query Match 58.0%; Score 1775; DB 14; Length 574;
Best Local Similarity 77.3%; Pred. No. 5.4e-117; Indels 26; Gaps 8;
Matches 351; Conservative 17; Mismatches 60;

Qy 120 TISKAKVQPREPOVYTLPPSRDELTKNQVSLT--CLVKGFPYSDIAVENESGQPNENYK 177
Db 143 TVSSASTQ--SPSVFPLTRCCNKIPSNATSVTLGCLATGYFPEPVNVTWDT--GSLNGTMM 199

Qy 178 TTP-PVLDVSGSFYLSKLTVDKSRWQGNVPSCSVMHEALHNYH-QQESLSLSPKVEG 235
Db 200 TLPATLTLTSGHYATISLTV--SGAWAK-QMFCRVAHTPSSTDVNDKTFVC----- 251

Qy 236 GGGSGGGSGGGSGGFTPTVKILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQ 295
Db 252 -----SRDFTPTVKILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQ 300

Qy 296 VMDVLDSTASTQEGELASTQSELTLSQKHLSDRITYCOVYQGHTEFDSKKCADSNP 355
Db 301 VMDVLDSTASTQEGELASTQSELTLSQKHLSDRITYCOVYQGHTEFDSKKCADSNP 360

Qy 356 RGVSAVLSRSPDLFIRKSPITICLVLDLAPSKGTNLTWSRASKPVNHSRKEEQR 415
Db 361 RGVSAVLSRSPDLFIRKSPITICLVLDLAPSKGTNLTWSRASKPVNHSRKEEQR 420

Qy 416 NGTLTWTSTLPVGRDWIEGETYQCRVTHPLPRALMRSTTKTSGPRAAPEVYAFATPEW 475
Db 421 NGTLTWTSTLPVGRDWIEGETYQCRVTHPLPRALMRSTTKTSGPRAAPEVYAFATPEW 480

Qy 476 PGRDRTKLACLONFMPEDISVQWLHNEVQLPDAHSTTQPRKTKGSGFFVFSRLEVTR 535
Db 481 PGRDRTKLACLONFMPEDISVQWLHNEVQLPDAHSTTQPRKTKGSGFFVFSRLEVTR 540

Qy 536 AEWEQKDEFICRAVHEAASPSQTVQRAVSNPCK 569
Db 541 AEWEQKDEFICRAVHEAASPSQTVQRAVSNPCK 574
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RESULT 7  
US-09-847-208-5

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; Sequence 5, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daocheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; TITLE OF INVENTION: IGB-MEDIATED ALLERGIC DISEASES
; FILE REFERENCE: UC67.002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-847-208-5

Query Match 57.7%; Score 1766; DB 10; Length 427;
Best Local Similarity 78.0%; Pred. No. 1.6e-116;
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

Qy 129 REQVYTLPPSRDELTKNQVSLT--CLVKGFPYSDIAVENESGQPNENYKTP-PVLDLS 185
Db 3 QSPSVFPLTRCCNKIPSNATSVTLGCLATGYFPEPVNVTWDT--GSLNGTMMTLPATLTL 61

Qy 186 VGSFFLYSKLTVDKSRWQGNVPSCSVMHEALHNYH-QQESLSLSPKVEGGGGGGGS 244
Db 62 SGHYATISLTV--SGAWAK-QMFCRVAHTPSSTDVNDKTFVC----- 104

Qy 245 GGGSGFTPTVKILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDQVMDVLDSTA 304
Db 105 --SRDFTPTVKILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDQVMDVLDSTA 162

Qy 305 STTQEGELASTQSELTLSQKHLSDRITYCOVYQGHTEFDSKKCADSNPRGVSAVLSR 364
Db 163 STTQEGELASTQSELTLSQKHLSDRITYCOVYQGHTEFDSKKCADSNPRGVSAVLSR 222

Qy 365 PSPFDLFIKSPITICLVLDLAPSKGTNLTWSRASKPVNHSRKEEQRNGTLTWTST 424
Db 223 PSPFDLFIKSPITICLVLDLAPSKGTNLTWSRASKPVNHSRKEEQRNGTLTWTST 282

Qy 425 LPVGRDWIEGETYQCRVTHPLPRALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRL 484
Db 283 LPVGRDWIEGETYQCRVTHPLPRALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRL 342

Qy 485 ACLIONFMPEDISVQWLHNEVQLPDAHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEF 544
Db 343 ACLIONFMPEDISVQWLHNEVQLPDAHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEF 402

Qy 545 ICRAVHEAASPSQTVQRAVSNPCK 569
Db 403 ICRAVHEAASPSQTVQRAVSNPCK 427

RESULT 8
US-10-000-439-5
; Sequence 5, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; TITLE OF INVENTION: TREATMENT OF IMMUNE DISEASES
; FILE REFERENCE: UC067.004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 427
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; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-000-439-5

Query Match 57.7%; Score 1766; DB 12; Length 427;  
 Best Local Similarity 78.0%; Pred. No. 1.6e-116;  
 Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY	129	REPQVTLPPSRDELTKNOVSLT--CLVKGFYPDIWESNGOPENNYKTP-PVLDS 185
DB	3	QSPSEPLTRCCKNIPSNATSVTLGCLATGYFPEPVMVTWT--GSLNGTITLTPATLTL 61
QY	186	VGSEFFLYSKLTVDKSRWQGNVFCVMEALHNYH-QORSLSLSPGKVEGGGGGGGS 244
DB	62	SGHYATISLLTV-SGANAK-QMFTCRVAHTPSSTDWVNTKTFVC----- 104
QY	245	GGGSGFTPTTKVILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDQVMDVLDSTA 304
DB	105	--SRDFTPTTKVILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDQVMDVLDSTA 162
QY	305	STTQGEELASTQSELTLSQKWLSDRTYTCQVYQGHFTFEDSTKCCADSNPRGVSAYLSR 364
DB	163	STTQGEELASTQSELTLSQKWLSDRTYTCQVYQGHFTFEDSTKCCADSNPRGVSAYLSR 222
QY	365	PSPFDLFIRKSPITITCLVVDLAPSKGTVNLWTSRASKGPKVNHSTRKEEKQKNGTLTVTST 424
DB	223	PSPFDLFIRKSPITITCLVVDLAPSKGTVNLWTSRASKGPKVNHSTRKEEKQKNGTLTVTST 282
QY	425	LPVGTDRDMEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 484
DB	283	LPVGTDRDMEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 342
QY	485	ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPKTKSGGFFVFSRLLEVTRAWEQKDEF 544
DB	343	ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPKTKSGGFFVFSRLLEVTRAWEQKDEF 402
QY	545	ICRAVHEAASPSQTQVRAVSNPGK 569
DB	403	ICRAVHEAASPSQTQVRAVSNPGK 427

RESULT 9  
 US-09-916-230-1  
 ; Sequence 1, Application US/09916230  
 ; Patent No. US20020146422A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Bachmann, Martin F.  
 ; TITLE OF INVENTION: Compositions for Inducing Self-Specific Anti-IgE  
 ; TITLE OF INVENTION: Antibodies and Uses Thereof  
 ; FILE REFERENCE: 1700.0140001  
 ; CURRENT APPLICATION NUMBER: US/09/916,230  
 ; PRIOR FILING DATE: 2001-07-27  
 ; PRIOR APPLICATION NUMBER: US 60/221,841  
 ; PRIOR FILING DATE: 2000-07-28  
 ; NUMBER OF SEQ ID NOS: 35  
 ; SOFTWARE: Patent in version 3.0  
 ; SEQ ID NO 1  
 ; LENGTH: 428  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-916-230-1

Query Match 57.7%; Score 1766; DB 9; Length 428;  
 Best Local Similarity 78.0%; Pred. No. 1.6e-116;  
 Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY	129	REPQVTLPPSRDELTKNOVSLT--CLVKGFYPDIWESNGOPENNYKTP-PVLDS 185
DB	4	QSPSEPLTRCCKNIPSNATSVTLGCLATGYFPEPVMVTWT--GSLNGTITLTPATLTL 62
QY	186	VGSEFFLYSKLTVDKSRWQGNVFCVMEALHNYH-QORSLSLSPGKVEGGGGGGGS 244

; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-916-230-1

; Sequence 1, Application US/09949375A  
 ; Patent No. US20020172673A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: KLYSNER, Steen et al.  
 ; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE  
 ; FILE REFERENCE: 3631-0111P  
 ; CURRENT APPLICATION NUMBER: US/09/949,375A  
 ; NUMBER OF SEQ ID NOS: 38  
 ; SOFTWARE: Patent in version 3.1  
 ; SEQ ID NO 1  
 ; LENGTH: 428  
 ; TYPE: PRT  
 ; ORGANISM: homo sapiens  
 ; NAME/KEY: DOMAIN  
 ; LOCATION: (11)..(116)  
 ; OTHER INFORMATION: Human IGE heavy chain C1 domain  
 ; FEATURE:  
 ; NAME/KEY: MISC FEATURE  
 ; LOCATION: (209)..(216)  
 ; OTHER INFORMATION: Linker between domains C2 and C3  
 ; FEATURE:  
 ; NAME/KEY: MISC FEATURE  
 ; LOCATION: (205)..(219)  
 ; OTHER INFORMATION: Epitope including C2C3 linker  
 ; FEATURE:  
 ; NAME/KEY: MISC FEATURE  
 ; LOCATION: (315)..(323)  
 ; OTHER INFORMATION: Epitope including C3C4 linker  
 ; FEATURE:  
 ; NAME/KEY: MISC FEATURE  
 ; LOCATION: (244)..(251)  
 ; OTHER INFORMATION: Epitope in BC loop  
 ; FEATURE:  
 ; NAME/KEY: MISC FEATURE  
 ; LOCATION: (272)..(280)  
 ; OTHER INFORMATION: Epitope in DE loop  
 ; FEATURE:  
 ; NAME/KEY: MISC FEATURE  
 ; LOCATION: (301)..(311)  
 ; OTHER INFORMATION: Epitope in FG loop  
 ; FEATURE:  
 ; NAME/KEY: MISC FEATURE

; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-000-439-5

Query Match 57.7%; Score 1766; DB 12; Length 427;  
 Best Local Similarity 78.0%; Pred. No. 1.6e-116;  
 Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY	129	REPQVTLPPSRDELTKNOVSLT--CLVKGFYPDIWESNGOPENNYKTP-PVLDS 185
DB	3	QSPSEPLTRCCKNIPSNATSVTLGCLATGYFPEPVMVTWT--GSLNGTITLTPATLTL 61
QY	186	VGSEFFLYSKLTVDKSRWQGNVFCVMEALHNYH-QORSLSLSPGKVEGGGGGGGS 244
DB	62	SGHYATISLLTV-SGANAK-QMFTCRVAHTPSSTDWVNTKTFVC----- 104
QY	245	GGGSGFTPTTKVILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDQVMDVLDSTA 304
DB	105	--SRDFTPTTKVILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDQVMDVLDSTA 162
QY	305	STTQGEELASTQSELTLSQKWLSDRTYTCQVYQGHFTFEDSTKCCADSNPRGVSAYLSR 364
DB	163	STTQGEELASTQSELTLSQKWLSDRTYTCQVYQGHFTFEDSTKCCADSNPRGVSAYLSR 222
QY	365	PSPFDLFIRKSPITITCLVVDLAPSKGTVNLWTSRASKGPKVNHSTRKEEKQKNGTLTVTST 424
DB	223	PSPFDLFIRKSPITITCLVVDLAPSKGTVNLWTSRASKGPKVNHSTRKEEKQKNGTLTVTST 282
QY	425	LPVGTDRDMEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 484
DB	283	LPVGTDRDMEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 342
QY	485	ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPKTKSGGFFVFSRLLEVTRAWEQKDEF 544
DB	343	ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPKTKSGGFFVFSRLLEVTRAWEQKDEF 402
QY	545	ICRAVHEAASPSQTQVRAVSNPGK 569
DB	403	ICRAVHEAASPSQTQVRAVSNPGK 427

RESULT 9  
 US-09-916-230-1  
 ; Sequence 1, Application US/09916230  
 ; Patent No. US20020146422A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Bachmann, Martin F.  
 ; TITLE OF INVENTION: Compositions for Inducing Self-Specific Anti-IgE  
 ; TITLE OF INVENTION: Antibodies and Uses Thereof  
 ; FILE REFERENCE: 1700.0140001  
 ; CURRENT APPLICATION NUMBER: US/09/916,230  
 ; PRIOR FILING DATE: 2001-07-27  
 ; PRIOR APPLICATION NUMBER: US 60/221,841  
 ; PRIOR FILING DATE: 2000-07-28  
 ; NUMBER OF SEQ ID NOS: 35  
 ; SOFTWARE: Patent in version 3.0  
 ; SEQ ID NO 1  
 ; LENGTH: 428  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-916-230-1

Query Match 57.7%; Score 1766; DB 9; Length 428;  
 Best Local Similarity 78.0%; Pred. No. 1.6e-116;  
 Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY	129	REPQVTLPPSRDELTKNOVSLT--CLVKGFYPDIWESNGOPENNYKTP-PVLDS 185
DB	4	QSPSEPLTRCCKNIPSNATSVTLGCLATGYFPEPVMVTWT--GSLNGTITLTPATLTL 62
QY	186	VGSEFFLYSKLTVDKSRWQGNVFCVMEALHNYH-QORSLSLSPGKVEGGGGGGGS 244

; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-916-230-1

Db 63 SGHYATISLLTV-SGANAK-QMFTCRVAHTPSSTDWVNTKTFVC----- 105  
 QY 245 GGGSGFTPTTKVILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDQVMDVLDSTA 304  
 DB 106 --SRDFTPTTKVILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDQVMDVLDSTA 163  
 QY 305 STTQGEELASTQSELTLSQKWLSDRTYTCQVYQGHFTFEDSTKCCADSNPRGVSAYLSR 364  
 DB 164 STTQGEELASTQSELTLSQKWLSDRTYTCQVYQGHFTFEDSTKCCADSNPRGVSAYLSR 223  
 QY 365 PSPFDLFIRKSPITITCLVVDLAPSKGTVNLWTSRASKGPKVNHSTRKEEKQKNGTLTVTST 424  
 DB 224 PSPFDLFIRKSPITITCLVVDLAPSKGTVNLWTSRASKGPKVNHSTRKEEKQKNGTLTVTST 283  
 QY 425 LPVGTDRDMEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 484  
 DB 284 LPVGTDRDMEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 343  
 QY 485 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPKTKSGGFFVFSRLLEVTRAWEQKDEF 544  
 DB 344 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPKTKSGGFFVFSRLLEVTRAWEQKDEF 403  
 QY 545 ICRAVHEAASPSQTQVRAVSNPGK 569  
 DB 404 ICRAVHEAASPSQTQVRAVSNPGK 428

RESULT 10  
 US-09-949-375A-1  
 ; Sequence 1, Application US/09949375A  
 ; Patent No. US20020172673A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: KLYSNER, Steen et al.  
 ; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE  
 ; FILE REFERENCE: 3631-0111P  
 ; CURRENT APPLICATION NUMBER: US/09/949,375A  
 ; NUMBER OF SEQ ID NOS: 38  
 ; SOFTWARE: Patent in version 3.1  
 ; SEQ ID NO 1  
 ; LENGTH: 428  
 ; TYPE: PRT  
 ; ORGANISM: homo sapiens  
 ; NAME/KEY: DOMAIN  
 ; LOCATION: (11)..(116)  
 ; OTHER INFORMATION: Human Ige heavy chain C1 domain  
 ; NAME/KEY: MISC FEATURE  
 ; LOCATION: (209)..(216)  
 ; OTHER INFORMATION: Linker between domains C2 and C3  
 ; NAME/KEY: MISC FEATURE  
 ; LOCATION: (205)..(219)  
 ; OTHER INFORMATION: Epitope including C2C3 linker  
 ; NAME/KEY: MISC FEATURE  
 ; LOCATION: (315)..(323)  
 ; OTHER INFORMATION: Epitope including C3C4 linker  
 ; NAME/KEY: MISC FEATURE  
 ; LOCATION: (244)..(251)  
 ; OTHER INFORMATION: Epitope in BC loop  
 ; NAME/KEY: MISC FEATURE  
 ; LOCATION: (272)..(280)  
 ; OTHER INFORMATION: Epitope in DE loop  
 ; NAME/KEY: MISC FEATURE  
 ; LOCATION: (301)..(311)  
 ; OTHER INFORMATION: Epitope in FG loop  
 ; NAME/KEY: MISC FEATURE

; LOCATION: (317)...(320)  
 ; OTHER INFORMATION: Linker between domains C3 and C4  
 ; FEATURE:  
 ; NAME/KEY: DOMAIN  
 ; LOCATION: (321)...(422)  
 ; OTHER INFORMATION: Human Ige heavy chain C4 domain  
 ; FEATURE:  
 ; NAME/KEY: DOMAIN  
 ; LOCATION: (217)...(316)  
 ; OTHER INFORMATION: Human Ige heavy chain C3 domain  
 ; FEATURE:  
 ; NAME/KEY: DOMAIN  
 ; LOCATION: (113)...(208)  
 ; OTHER INFORMATION: Human Ige heavy chain C2 domain  
 ; US-09-949-375A-1

Query Match 57.7%; Score 1766; DB 9; Length 428;  
 Best Local Similarity 78.0%; Pred. No. 1.6e-116;  
 Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY 129 REPQVYTLPPSRDELTKNQVSLT--CLVKGFPYSDIAVEWESNGQPENNYKTP-PVLDLS 185  
 Db 4 QSPSVFELTRCCXNIPSNATSVTLGLATGYFPPEVMVMTWDT-GSLNGTWTMLPATLTL 62  
 QY 186 VGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNYH-QQRSLSLSPKGVGGGSGGGGS 244  
 Db 63 SGHYATISLLTV-SGAWAK-QMFTCRVAHTPSSTDWVDNKTFSVC----- 105  
 QY 245 GGGGFTPTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDQVMDVLDSTA 304  
 Db 106 --SRDFTPTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDQVMDVLDSTA 163  
 QY 305 STTQEGELASTQSELTLSQKHLSDRTYTCQVYQGHTEPDTKKCADSNPRGVSAVLSR 364  
 Db 164 STTQEGELASTQSELTLSQKHLSDRTYTCQVYQGHTEPDTKKCADSNPRGVSAVLSR 223  
 QY 365 PSPFDLPIRKSPTITCLVVDLAPSKGTVNLTWASRAGKPVNHSRKEEKQKRGNTLTVTST 424  
 Db 224 PSPFDLPIRKSPTITCLVVDLAPSKGTVNLTWASRAGKPVNHSRKEEKQKRGNTLTVTST 283  
 QY 425 LPVGTDRDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 484  
 Db 284 LPVGTDRDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 343  
 QY 485 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTRAWEQKDEF 544  
 Db 344 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTRAWEQKDEF 403  
 QY 545 ICRAVHEAASPSQTVQRAVSVNPGK 569  
 Db 404 ICRAVHEAASPSQTVQRAVSVNPGK 428

RESULT 11  
 US-10-047-542-60  
 ; Sequence 60, Application US/10047542  
 ; Publication No. US20020168367A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: LARRICK, JAMES W.  
 ; APPLICANT: WYCOFF, KEITH L.  
 ; TITLE OF INVENTION: NOVEL IMMUNOADHESINS FOR TREATING AND PREVENTING VIRAL  
 ; TITLE OF INVENTION: AND BACTERIAL DISEASES  
 ; FILE REFERENCE: 030905.0004.C1P1  
 ; CURRENT APPLICATION NUMBER: US/10/047,542  
 ; PRIOR FILING DATE: 2001-10-26  
 ; PRIOR APPLICATION NUMBER: PCT/US01/13932  
 ; PRIOR FILING DATE: 2001-04-28  
 ; PRIOR APPLICATION NUMBER: 60/200,298  
 ; PRIOR FILING DATE: 2000-04-28  
 ; NUMBER OF SEQ ID NOS: 101  
 ; SOFTWARE: Patentin Ver. 2.1  
 ; SEQ ID NO 60  
 ; LENGTH: 428

; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-10-047-542-60  
 Query Match 57.7%; Score 1766; DB 13; Length 428;  
 Best Local Similarity 78.0%; Pred. No. 1.6e-116;  
 Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;  
 QY 129 REPQVYTLPPSRDELTKNQVSLT--CLVKGFPYSDIAVEWESNGQPENNYKTP-PVLDLS 185  
 Db 4 QSPSVFELTRCCXNIPSNATSVTLGLATGYFPPEVMVMTWDT-GSLNGTWTMLPATLTL 62  
 QY 186 VGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNYH-QQRSLSLSPKGVGGGSGGGGS 244  
 Db 63 SGHYATISLLTV-SGAWAK-QMFTCRVAHTPSSTDWVDNKTFSVC----- 105  
 QY 245 GGGGFTPTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDQVMDVLDSTA 304  
 Db 106 --SRDFTPTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDQVMDVLDSTA 163  
 QY 305 STTQEGELASTQSELTLSQKHLSDRTYTCQVYQGHTEPDTKKCADSNPRGVSAVLSR 364  
 Db 164 STTQEGELASTQSELTLSQKHLSDRTYTCQVYQGHTEPDTKKCADSNPRGVSAVLSR 223  
 QY 365 PSPFDLPIRKSPTITCLVVDLAPSKGTVNLTWASRAGKPVNHSRKEEKQKRGNTLTVTST 424  
 Db 224 PSPFDLPIRKSPTITCLVVDLAPSKGTVNLTWASRAGKPVNHSRKEEKQKRGNTLTVTST 283  
 QY 425 LPVGTDRDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 484  
 Db 284 LPVGTDRDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTL 343  
 QY 485 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTRAWEQKDEF 544  
 Db 344 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTGSGFFVFSRLEVTRAWEQKDEF 403  
 QY 545 ICRAVHEAASPSQTVQRAVSVNPGK 569  
 Db 404 ICRAVHEAASPSQTVQRAVSVNPGK 428

RESULT 12  
 US-09-949-375A-7  
 ; Sequence 7, Application US/09949375A  
 ; Patent No. US20020172673A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: KLYSNER, Steen et al.  
 ; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE  
 ; FILE REFERENCE: 3631-0111P  
 ; CURRENT APPLICATION NUMBER: US/09/949,375A  
 ; CURRENT FILING DATE: 2002-01-18  
 ; NUMBER OF SEQ ID NOS: 38  
 ; SOFTWARE: Patentin version 3.1  
 ; SEQ ID NO 7  
 ; LENGTH: 441  
 ; TYPE: PRT  
 ; ORGANISM: homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: DOMAIN  
 ; LOCATION: (11)...(106)  
 ; OTHER INFORMATION: Ige heavy chain C1 domain  
 ; FEATURE:  
 ; NAME/KEY: DOMAIN  
 ; LOCATION: (113)...(208)  
 ; OTHER INFORMATION: Ige heavy chain C2 domain  
 ; FEATURE:  
 ; NAME/KEY: DOMAIN  
 ; LOCATION: (217)...(317)  
 ; OTHER INFORMATION: Ige heavy chain C3 domain  
 ; FEATURE:  
 ; NAME/KEY: DOMAIN  
 ; LOCATION: (321)...(422)  
 ; OTHER INFORMATION: Ige heavy chain C4 domain

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; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (427)..(441)
; OTHER INFORMATION: MIGIS fragment
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (209)..(216)
; OTHER INFORMATION: Linker between domains C2 and C3
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (318)..(320)
; OTHER INFORMATION: Linker between domains C3 and C4
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (209)..(219)
; OTHER INFORMATION: Epitope including C2C3 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (315)..(323)
; OTHER INFORMATION: Epitope including C3C4 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (244)..(251)
; OTHER INFORMATION: Epitope in BC loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (272)..(280)
; OTHER INFORMATION: Epitope in DE loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (301)..(311)
; OTHER INFORMATION: Epitope in FG loop
US-09-949-375A-7
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Query Match 57.4%; Score 1755; DB 9; Length 441;
Best Local Similarity 77.9%; Pred. No. 1e-115;
Matches 345; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY 129 REPOVYTLPPSRDELTKNOVSLT--CLVKGYPGSDIAVEWESNGQPNYKTTT-PVLDS 185
DB 4 QSPSVFPTTRCKNIPNATSVTLGCLATGYFPFVMTWDT-CSLNGTMTLPTATLTL 62
QY 186 VGSFFLYSKLVKDSRWQOQNVFSCSVNHEALHNY-QORSLSLSPGKVEGGSGGGGS 244
DB 63 SCHVATISLLTV-SGAWAK-QMFTCRVAHTPSSTDWVDNKTFSVC----- 105
QY 245 GGGSGFTPTVKILQSSCDGGHPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDSTA 304
DB 106 --SRDFTPTVKILQSSCDGGHPPTIQLCLVSGYTPGTINITWLEDGQVMDVLDSTA 163
QY 305 STTQEGELASTQSELTLSQKHWLSDRTYTCQVYQGHFTFEDSTKCCADSNPRGVSAYLSR 364
DB 164 STTQEGELASTQSELTLSQKHWLSDRTYTCQVYQGHFTFEDSTKCCADSNPRGVSAYLSR 223
QY 365 PSPDLFTRKSPITICLVVDLAPSKGTVNLWTSRASKPVNHSRTRKBEKQNGTLTVTST 424
DB 224 PSPDLFTRKSPITICLVVDLAPSKGTVNLWTSRASKPVNHSRTRKBEKQNGTLTVTST 283
QY 425 LPVGRDWIEGETYQCRVTHPHLPALMRSTTKSGPRAAPEVYAFATPEWPGSRDKRTL 484
DB 284 LPVGRDWIEGETYQCRVTHPHLPALMRSTTKSGPRAAPEVYAFATPEWPGSRDKRTL 343
QY 485 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTKSGGFFVSRLEVTAEWEQKDEF 544
DB 344 ACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTKSGGFFVSRLEVTAEWEQKDEF 403
QY 545 ICRAVHEAASPSQTVQRAVSNVP 567
DB 404 ICRAVHEAASPSQTVQRAVSNVP 426
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RESULT 13
US-10-207-655-334
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; Sequence 334, Application US/10207655
; Publication No. US20030118592A1
; GENERAL INFORMATION:
; APPLICANT: Ledbetter, Jeffrey A.
; TITLE OF INVENTION: BINDING DOMAIN-IMMUNOGLOBULIN FUSION PROTEINS
; FILE REFERENCE: 390069.401C1
; CURRENT APPLICATION NUMBER: US/10/207,655
; CURRENT FILING DATE: 2002-07-25
; NUMBER OF SEQ ID NOS: 426
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 334
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: fusion polypeptide
US-10-207-655-334
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Query Match 56.5%; Score 1729; DB 14; Length 592;
Best Local Similarity 60.9%; Pred. No. 9.9e-114;
Matches 358; Conservative 15; Mismatches 51; Indels 164; Gaps 9;

QY 126 VQPREQVYTLPPSRDELTKNOVSLTCLVKG-----FY---PSDIAVEWESNGQPNY 176
DB 25 VLSQSPAILLSASPG-----EKVTMTCRASSSVSYNMHWYQKPGSPKPMWY--APSNLA 76
QY 177 KTTTPVLDVSGSFLLYSKLVTKSRWQOQNVFSCSVNHEALHNYOORSL---SLSPG-- 231
DB 77 SGVPARFSGSGGTSYS-LTISRVEADAATYIC-----QQWSFNPTFGAGTK 124
QY 232 -KVEGGGGGGGGGGGGGGG----- 249
DB 125 LELKGGGGGGGGGGGGGGGQAYLQSGAELVRPGASVKMSCKASGYTFTSYNMHWVKQT 184
QY 250 ----- 249
DB 185 PROGLEWIGAIYPGNGDTSYNOKFKGKATLVDKSSSTAYMQLSSLTSEDSAVYFCARVV 244
QY 250 -----FTPTPTVKILQSSCDGGHPPTIQLCLVSGY 281
DB 245 YVSNSTWYFDVWGTTVTTVSDHVCSDRFTPTVKILQSSCDGGHPPTIQLCLVSGY 304
QY 282 TPTGINITWLEDGQVMDVLDSTA--TQEGELASTQSELTLSQKHWLSDRTYTCQVYQGH 341
DB 305 TPTGINITWLEDGQVMDVLDSTA--TQEGELASTQSELTLSQKHWLSDRTYTCQVYQGH 364
QY 342 TPEDSTKCCADSNPRGVSAYLSRSPDLFTRKSPITICLVVDLAPSKGTVNLWTSRAG 401
DB 365 TPEDSTKCCADSNPRGVSAYLSRSPDLFTRKSPITICLVVDLAPSKGTVNLWTSRAG 424
QY 402 KPVNHSRTRKEEKQNGTLTVTSTLPVGRDWIEGETYQCRVTHPHLPALMRSTTKTSGP 461
DB 425 KPVNHSRTRKEEKQNGTLTVTSTLPVGRDWIEGETYQCRVTHPHLPALMRSTTKTSGP 484
QY 462 RAAPFYAFATPEWPGSRDKRTLACLIIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTK 521
DB 485 RAAPFYAFATPEWPGSRDKRTLACLIIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTK 544
QY 522 GSGFFVSRLEVTAEWEQKDEFICRAVHEAASPSQTVQRAVSNVP 569
DB 545 GSGFFVSRLEVTAEWEQKDEFICRAVHEAASPSQTVQRAVSNVP 592
```

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RESULT 14
US-09-847-208-6
; Sequence 6, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daocheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
```

;; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES  
;; FILE REFERENCE: UC67.002A  
;; CURRENT APPLICATION NUMBER: US/09/847,208  
;; CURRENT FILING DATE: 2001-05-01  
;; NUMBER OF SEQ ID NOS: 177  
;; SOFTWARE: FastSeq for Windows Version 4.0  
;; SEQ ID NO 6  
;; LENGTH: 320  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-09-847-208-6

Query Match 55.8%; Score 1707; DB 10; Length 320;  
Best Local Similarity 100.0%; Pred. No. 1.6e-112;  
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 250 FTPPTVKILQSSCDGGGHPPTIQLLCLVSGTPTGTTINITWLEDGQVMDVDLSTASTTQE 309  
DB 1 FTPPTVKILQSSCDGGGHPPTIQLLCLVSGTPTGTTINITWLEDGQVMDVDLSTASTTQE 60  
QY 310 GELASTQSELTLSQKHWLSDRVTTCVYQGHTEFDTSTKCCADSNPRGVSAYLSRSPFD 369  
DB 61 GELASTQSELTLSQKHWLSDRVTTCVYQGHTEFDTSTKCCADSNPRGVSAYLSRSPFD 120  
QY 370 LFIKSPPTITCLVVDLAPSKGTNLTWSRASKGPNVNHSTRKEEKORNGTLTITSTLPVGT 429  
DB 121 LFIKSPPTITCLVVDLAPSKGTNLTWSRASKGPNVNHSTRKEEKORNGTLTITSTLPVGT 180  
QY 430 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 489  
DB 181 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240  
QY 490 NFMPEDISVQWLHNEVOLPDARHSTTOPRKTGSGFFVFSRLEVTAEWEQKDEFICRAV 549  
DB 241 NFMPEDISVQWLHNEVOLPDARHSTTOPRKTGSGFFVFSRLEVTAEWEQKDEFICRAV 300  
QY 550 HEAASPSQTVQRAVSVNPGK 569  
DB 301 HEAASPSQTVQRAVSVNPGK 320

RESULT 15  
US-10-000-439-6  
;; Sequence 6, Application US/10000439  
;; Publication No. US20030084063A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Saxon, Andrew  
;; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR  
;; TREATMENT OF IMMUNE DISEASES  
;; FILE REFERENCE: UC067.004A  
;; CURRENT APPLICATION NUMBER: US/10/000,439  
;; CURRENT FILING DATE: 2001-10-24  
;; PRIOR APPLICATION NUMBER: US 09/847,208  
;; PRIOR FILING DATE: 2001-05-01  
;; NUMBER OF SEQ ID NOS: 13  
;; SOFTWARE: FastSeq for Windows Version 4.0  
;; SEQ ID NO 6  
;; LENGTH: 320  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-000-439-6

Query Match 55.8%; Score 1707; DB 12; Length 320;  
Best Local Similarity 100.0%; Pred. No. 1.6e-112;  
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 250 FTPPTVKILQSSCDGGGHPPTIQLLCLVSGTPTGTTINITWLEDGQVMDVDLSTASTTQE 309  
DB 1 FTPPTVKILQSSCDGGGHPPTIQLLCLVSGTPTGTTINITWLEDGQVMDVDLSTASTTQE 60  
QY 310 GELASTQSELTLSQKHWLSDRVTTCVYQGHTEFDTSTKCCADSNPRGVSAYLSRSPFD 369  
DB 61 GELASTQSELTLSQKHWLSDRVTTCVYQGHTEFDTSTKCCADSNPRGVSAYLSRSPFD 120

QY 370 LFIKSPPTITCLVVDLAPSKGTNLTWSRASKGPNVNHSTRKEEKORNGTLTITSTLPVGT 429  
DB 121 LFIKSPPTITCLVVDLAPSKGTNLTWSRASKGPNVNHSTRKEEKORNGTLTITSTLPVGT 180  
QY 430 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 489  
DB 181 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240  
QY 490 NFMPEDISVQWLHNEVOLPDARHSTTOPRKTGSGFFVFSRLEVTAEWEQKDEFICRAV 549  
DB 241 NFMPEDISVQWLHNEVOLPDARHSTTOPRKTGSGFFVFSRLEVTAEWEQKDEFICRAV 300  
QY 550 HEAASPSQTVQRAVSVNPGK 569  
DB 301 HEAASPSQTVQRAVSVNPGK 320

Search completed: August 18, 2004, 01:12:42  
Job time : 63.4175 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: August 18, 2004, 00:59:09 ; Search time 34.5406 Seconds  
(without alignments)  
2908.366 Million cell updates/sec

Title: US-09-847-208B-6

Perfect score: 1707

Sequence: 1 FTPTVKILQSSCDGGGHP.....HEAASPTQVRAVSVPGR-320

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1292805 seqs, 313927144 residues

Total number of hits satisfying chosen parameters: 1292805

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/1/pubaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/1/pubaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1707	100.0	320	10	US-09-847-208-6
2	1707	100.0	320	12	US-10-000-439-6
3	1707	100.0	323	9	US-09-949-375A-2
4	1707	100.0	323	9	US-09-949-375A-4
5	1707	100.0	323	9	US-09-949-375A-6
6	1707	100.0	331	9	US-09-401-636-1
7	1707	100.0	331	14	US-10-176-664-1
8	1707	100.0	331	14	US-10-207-655-329
9	1707	100.0	331	16	US-10-673-594-1
10	1707	100.0	427	10	US-09-847-208-5
11	1707	100.0	427	12	US-10-000-439-5
12	1707	100.0	428	9	US-09-916-230-1
13	1707	100.0	428	9	US-09-949-375A-1
14	1707	100.0	428	13	US-10-047-542-50
15	1707	100.0	569	10	US-09-847-208-7

16	1707	100.0	569	12	US-10-000-439-7	Sequence 7, Appli
17	1707	100.0	574	13	US-10-047-542-45	Sequence 45, Appl
18	1707	100.0	574	14	US-10-214-524-37	Sequence 37, Appl
19	1707	100.0	574	14	US-10-050-902-176	Sequence 176, App
20	1707	100.0	574	14	US-10-050-898-176	Sequence 176, App
21	1707	100.0	592	14	US-10-207-655-334	Sequence 334, App
22	1696	99.4	336	9	US-09-949-375A-8	Sequence 8, Appli
23	1696	99.4	441	9	US-09-949-375A-7	Sequence 7, Appli
24	1671	97.9	330	9	US-09-949-375A-10	Sequence 10, Appl
25	1649	96.6	347	14	US-10-152-130-13	Sequence 13, Appl
26	1644.5	96.3	426	14	US-10-214-524-26	Sequence 26, Appl
27	1579	92.5	347	14	US-10-152-130-12	Sequence 12, Appl
28	1566.5	91.8	348	14	US-10-152-130-11	Sequence 11, Appl
29	1435.5	84.1	346	14	US-10-152-130-10	Sequence 10, Appl
30	1364.5	79.9	346	14	US-10-152-130-14	Sequence 14, Appl
31	1171	68.6	220	16	US-10-704-406-3	Sequence 3, Appli
32	1158	67.8	222	9	US-09-809-746-2	Sequence 2, Appli
33	1158	67.8	222	10	US-09-809-715-6	Sequence 6, Appli
34	1158	67.8	222	16	US-10-704-406-2	Sequence 2, Appli
35	1038.5	60.8	342	9	US-09-401-636-8	Sequence 8, Appli
36	1038.5	60.8	342	14	US-10-176-664-8	Sequence 8, Appli
37	1038.5	60.8	342	16	US-10-673-594-8	Sequence 12, Appl
38	1034.5	60.6	557	12	US-10-438-794-12	Sequence 16, Appl
39	1034.5	60.6	557	12	US-10-438-794-16	Sequence 12, Appl
40	1034.5	60.6	557	12	US-10-453-915-12	Sequence 16, Appl
41	1034.5	60.6	557	12	US-10-453-915-16	Sequence 12, Appl
42	1034.5	60.6	566	12	US-10-438-794-10	Sequence 10, Appl
43	1034.5	60.6	566	12	US-10-438-794-18	Sequence 18, Appl
44	1034.5	60.6	566	12	US-10-453-915-10	Sequence 10, Appl
45	1034.5	60.6	566	12	US-10-453-915-18	Sequence 18, Appl

ALIGNMENTS

RESULT 1

US-09-847-208-6  
; Sequence 6, Application US/09847208  
; Publication No. US20030082190A1  
; GENERAL INFORMATION:  
; APPLICANT: Saxon, Andrew  
; APPLICANT: Zhang, Ke  
; APPLICANT: Zhu, Daocheng  
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF  
; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES  
; FILE REFERENCE: UC67.002A  
; CURRENT APPLICATION NUMBER: US/09/847,208  
; CURRENT FILING DATE: 2001-05-01  
; NUMBER OF SEQ ID NOS: 177  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 6  
; LENGTH: 320  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-847-208-6

Query Match	100.0%	Score 1707;	DB 10;	Length 320;
Best Local Similarity	100.0%;	Pred. No. 1.8e-139;		
Matches 320;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	FTPTVKILQSSCDGGGHPPTIQLCLVSGTPTGINTIWLDDGQVMDVLDLSTATTQE	60	
Db	1	FTPTVKILQSSCDGGGHPPTIQLCLVSGTPTGINTIWLDDGQVMDVLDLSTATTQE	60	
Qy	61	GELASTQSELTISOKHLSDRYTCQVYOGHTFEDSTKKCADSNPRGVSAYLSRSPED	120	
Db	61	GELASTQSELTISQKHLSDRYTCQVYOGHTFEDSTKKCADSNPRGVSAYLSRSPED	120	
Qy	121	LFIRKSPPTICLVVDLAPSGKTVNLTWRSRASKPVNHSTRKEEKQKNGILTVTSTLPVGT	180	
Db	121	LFIRKSPPTICLVVDLAPSGKTVNLTWRSRASKPVNHSTRKEEKQKNGILTVTSTLPVGT	180	
Qy	181	RMWIEGETYQCRVTHPHLPALMRSTTKTSGPFAAPEVAFATPEWFGSDKRTKLACLIQ	240	

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Db      181  RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240
Qy      241  NFMPEDISVQWLHNEVQLPDARHSTTPQRTKSGGFFVFSRLVETRAEWEQKDEFICRAV 300
Db      241  NFMPEDISVQWLHNEVQLPDARHSTTPQRTKSGGFFVFSRLVETRAEWEQKDEFICRAV 300
Qy      301  HEAASPSQTVQRAVSNPGK 320
Db      301  HEAASPSQTVQRAVSNPGK 320

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## RESULT 2

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US-10-000-439-6
; Sequence 6, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; FILE OF INVENTION: TREATMENT OF IMMUNE DISEASES
; FILE REFERENCE: UC067.004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-000-439-6

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Query Match      100.0%; Score 1707; DB 12; Length 320;
Best Local Similarity 100.0%; Pred. No. 1.8e-139;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  FTPPTVKILQSSCDGGHPPPTIQLCLVSGYTPGTINITWLEDGQVMDVDLSTASTTQE 60
Db      1  FTPPTVKILQSSCDGGHPPPTIQLCLVSGYTPGTINITWLEDGQVMDVDLSTASTTQE 60
Qy      61  GELASTQSELTLSQKHWSLDRITYTCQVYQCHTFEDSTKKCADSNPRGVSAYLSRSPFD 120
Db      61  GELASTQSELTLSQKHWSLDRITYTCQVYQCHTFEDSTKKCADSNPRGVSAYLSRSPFD 120
Qy      121  LFIKSPITITCLVVDLAPSKGTNLTWSRASKGPNVHSTKEEKQKNGTLTSTLPVGT 180
Db      121  LFIKSPITITCLVVDLAPSKGTNLTWSRASKGPNVHSTKEEKQKNGTLTSTLPVGT 180
Qy      181  RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240
Db      181  RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240
Qy      241  NFMPEDISVQWLHNEVQLPDARHSTTPQRTKSGGFFVFSRLVETRAEWEQKDEFICRAV 300
Db      241  NFMPEDISVQWLHNEVQLPDARHSTTPQRTKSGGFFVFSRLVETRAEWEQKDEFICRAV 300
Qy      301  HEAASPSQTVQRAVSNPGK 320
Db      301  HEAASPSQTVQRAVSNPGK 320

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## RESULT 3

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US-09-949-375A-2
; Sequence 2, Application US/09949375A
; Patent No. US20020172673A1
; GENERAL INFORMATION:
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 3631-0111P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38

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; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 323
; TYPE: PRT
; ORGANISM: homo sapiens
; NAME/KEY: DOMAIN
; LOCATION: (8)..(103)
; OTHER INFORMATION: Human IGE heavy chain C2 domain
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (112)..(211)
; OTHER INFORMATION: Human IGE heavy chain C3 domain
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (216)..(317)
; OTHER INFORMATION: Human IGE heavy chain C4 domain
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (104)..(111)
; OTHER INFORMATION: Linker between domains C2 and C3
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (212)..(215)
; OTHER INFORMATION: Linker between domains C3 and C4
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (100)..(114)
; OTHER INFORMATION: Epitope including C2C3 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (210)..(218)
; OTHER INFORMATION: Epitope including C3C4 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (139)..(145)
; OTHER INFORMATION: Epitope in BC loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (167)..(175)
; OTHER INFORMATION: Epitope in DE loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (196)..(206)
; OTHER INFORMATION: Epitope in FG loop
US-09-949-375A-2

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Query Match      100.0%; Score 1707; DB 9; Length 323;
Best Local Similarity 100.0%; Pred. No. 1.8e-139;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  FTPPTVKILQSSCDGGHPPPTIQLCLVSGYTPGTINITWLEDGQVMDVDLSTASTTQE 60
Db      4  FTPPTVKILQSSCDGGHPPPTIQLCLVSGYTPGTINITWLEDGQVMDVDLSTASTTQE 63
Qy      61  GELASTQSELTLSQKHWSLDRITYTCQVYQCHTFEDSTKKCADSNPRGVSAYLSRSPFD 120
Db      64  GELASTQSELTLSQKHWSLDRITYTCQVYQCHTFEDSTKKCADSNPRGVSAYLSRSPFD 123
Qy      121  LFIKSPITITCLVVDLAPSKGTNLTWSRASKGPNVHSTKEEKQKNGTLTSTLPVGT 180
Db      124  LFIKSPITITCLVVDLAPSKGTNLTWSRASKGPNVHSTKEEKQKNGTLTSTLPVGT 193
Qy      181  RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240
Db      184  RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 243
Qy      241  NFMPEDISVQWLHNEVQLPDARHSTTPQRTKSGGFFVFSRLVETRAEWEQKDEFICRAV 300
Db      244  NFMPEDISVQWLHNEVQLPDARHSTTPQRTKSGGFFVFSRLVETRAEWEQKDEFICRAV 303
Qy      301  HEAASPSQTVQRAVSNPGK 320

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Db 304 HEAASPSQTVQRAVSVNPGK 323
; Query Match 100.0%; Score 1707; DB 9; Length 323;
; Best Local Similarity 100.0%; Pred. No. 1.8e-139;
; Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 4
US-09-949-375A-4
; Sequence 4, Application US/09949375A
; Patent No. US20020172673A1
; GENERAL INFORMATION:
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 3631-0111P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial amino acid sequence of SEQ ID NO: 3.
US-09-949-375A-4

. Query Match 100.0%; Score 1707; DB 9; Length 323;
; Best Local Similarity 100.0%; Pred. No. 1.8e-139;
; Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTPPTVKILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVLDLSTASTTQE 60
Db 4 FTPPTVKILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVLDLSTASTTQE 63
QY 61 GELASTQSELTLSQKHWLSDRTYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSRSPFD 120
Db 64 GELASTQSELTLSQKHWLSDRTYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSRSPFD 123
QY 121 LFIKSPITITCLVVDLAPSKGTNLTWSRASKPYNHSTRKEEKORNGTLTVTSTLPVGT 180
Db 124 LFIKSPITITCLVVDLAPSKGTNLTWSRASKPYNHSTRKEEKORNGTLTVTSTLPVGT 183
QY 181 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240
Db 184 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 243
QY 241 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEFICRAV 300
Db 244 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEFICRAV 303
QY 301 HEAASPSQTVQRAVSVNPGK 320
Db 304 HEAASPSQTVQRAVSVNPGK 323

RESULT 6
US-09-401-636-1
; Sequence 1, Application US/09401636
; Patent No. US20010038843A1
; GENERAL INFORMATION:
; APPLICANT: Hellman, Lars T.
; TITLE OF INVENTION: ENHANCED VACCINES
; FILE REFERENCE: 10223/006001
; CURRENT APPLICATION NUMBER: US/09/401,636
; CURRENT FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: US 60/106,652
; PRIOR FILING DATE: 1998-11-02
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetically generated proteins
US-09-401-636-1

Query Match 100.0%; Score 1707; DB 9; Length 331;
; Best Local Similarity 100.0%; Pred. No. 1.9e-139;
; Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTPPTVKILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVLDLSTASTTQE 60
Db 12 FTPPTVKILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVLDLSTASTTQE 71
QY 61 GELASTQSELTLSQKHWLSDRTYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSRSPFD 120
Db 72 GELASTQSELTLSQKHWLSDRTYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSRSPFD 131
QY 121 LFIKSPITITCLVVDLAPSKGTNLTWSRASKPYNHSTRKEEKORNGTLTVTSTLPVGT 180
Db 132 LFIKSPITITCLVVDLAPSKGTNLTWSRASKPYNHSTRKEEKORNGTLTVTSTLPVGT 191
QY 181 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240
Db 192 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 251
QY 241 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEFICRAV 300
Db 252 NFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEFICRAV 311

Db 304 HEAASPSQTVQRAVSVNPGK 323
; Query Match 100.0%; Score 1707; DB 9; Length 323;
; Best Local Similarity 100.0%; Pred. No. 1.8e-139;
; Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 5
US-09-949-375A-6
; Sequence 6, Application US/09949375A
; Patent No. US20020172673A1
; GENERAL INFORMATION:
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 3631-0111P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial amino acid sequence of SEQ ID NO: 5.
US-09-949-375A-6

Query Match 100.0%; Score 1707; DB 9; Length 323;
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QY 301 HEAASPSQTVQRAVSNPGK 320  
 DB 312 HEAASPSQTVQRAVSNPGK 331

## RESULT 7

US-10-176-664-1  
 ; Sequence 1, Application US/10176664  
 ; Publication No. US20030031663A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hellman, Lars T.  
 ; TITLE OF INVENTION: ENHANCED VACCINES  
 ; FILE REFERENCE: 10223/006001  
 ; CURRENT APPLICATION NUMBER: US/10/176,664  
 ; CURRENT FILING DATE: 2002-06-19  
 ; PRIOR APPLICATION NUMBER: US/09/401,636  
 ; PRIOR FILING DATE: 1999-09-22  
 ; PRIOR APPLICATION NUMBER: US 60/106,652  
 ; PRIOR FILING DATE: 1998-11-02  
 ; NUMBER OF SEQ ID NOS: 11  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 1  
 ; LENGTH: 331  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Synthetically generated proteins  
 ; US-10-176-664-1

Query Match 100.0%; Score 1707; DB 14; Length 331;  
 Best Local Similarity 100.0%; Pred. No. 1.9e-139;  
 Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTPTVKILQSSCDGGGHPPTTQLCLVSGYTPGTINITWLEDGQVMDVLDLSTATTQE 60  
 DB 12 FTPTVKILQSSCDGGGHPPTTQLCLVSGYTPGTINITWLEDGQVMDVLDLSTATTQE 71

QY 61 GELASTQSELTLSQKHWLSDRTVTCQVYQGHTEFSTKKCADSNPRGVSAYLSRSPFD 120  
 DB 72 GELASTQSELTLSQKHWLSDRTVTCQVYQGHTEFSTKKCADSNPRGVSAYLSRSPFD 131

QY 121 LFIKSPPTITCLVVDLAPSKGTVNLWTSRASKGPNVHSTRKEEKORNGTLTWTSLPVG 180  
 DB 132 LFIKSPPTITCLVVDLAPSKGTVNLWTSRASKGPNVHSTRKEEKORNGTLTWTSLPVG 191

QY 181 RDMIEGETYQCRVTHPHLPALMRSTTKSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240  
 DB 192 RDMIEGETYQCRVTHPHLPALMRSTTKSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 251

QY 241 NFWPDISVQWLHNEVQLPDARHSTTQPRKTKSGGFFVFSRLVTRAEWEQKDEFICRAV 300  
 DB 252 NFWPDISVQWLHNEVQLPDARHSTTQPRKTKSGGFFVFSRLVTRAEWEQKDEFICRAV 311

QY 301 HEAASPSQTVQRAVSNPGK 320  
 DB 312 HEAASPSQTVQRAVSNPGK 331

## RESULT 8

US-10-207-655-329  
 ; Sequence 329, Application US/10207655  
 ; Publication No. US20030118592A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ledbetter, Jeffrey A.  
 ; APPLICANT: Hayden-Ledbetter, Martha S.  
 ; TITLE OF INVENTION: BINDING DOMAIN-IMMUNOGLOBULIN FUSION PROTEINS  
 ; FILE REFERENCE: 390069.401C1  
 ; CURRENT APPLICATION NUMBER: US/10/207,655  
 ; CURRENT FILING DATE: 2002-07-25  
 ; NUMBER OF SEQ ID NOS: 426  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 329

; LENGTH: 331  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: fusion polypeptide  
 ; US-10-207-655-329

Query Match 100.0%; Score 1707; DB 14; Length 331;  
 Best Local Similarity 100.0%; Pred. No. 1.9e-139;  
 Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTPTVKILQSSCDGGGHPPTTQLCLVSGYTPGTINITWLEDGQVMDVLDLSTATTQE 60  
 DB 8 FTPTVKILQSSCDGGGHPPTTQLCLVSGYTPGTINITWLEDGQVMDVLDLSTATTQE 67

QY 61 GELASTQSELTLSQKHWLSDRTVTCQVYQGHTEFSTKKCADSNPRGVSAYLSRSPFD 120  
 DB 68 GELASTQSELTLSQKHWLSDRTVTCQVYQGHTEFSTKKCADSNPRGVSAYLSRSPFD 127

QY 121 LFIKSPPTITCLVVDLAPSKGTVNLWTSRASKGPNVHSTRKEEKORNGTLTWTSLPVG 180  
 DB 128 LFIKSPPTITCLVVDLAPSKGTVNLWTSRASKGPNVHSTRKEEKORNGTLTWTSLPVG 187

QY 181 RDMIEGETYQCRVTHPHLPALMRSTTKSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240  
 DB 188 RDMIEGETYQCRVTHPHLPALMRSTTKSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 247

QY 241 NFWPDISVQWLHNEVQLPDARHSTTQPRKTKSGGFFVFSRLVTRAEWEQKDEFICRAV 300  
 DB 248 NFWPDISVQWLHNEVQLPDARHSTTQPRKTKSGGFFVFSRLVTRAEWEQKDEFICRAV 307

QY 301 HEAASPSQTVQRAVSNPGK 320  
 DB 308 HEAASPSQTVQRAVSNPGK 327

## RESULT 9

US-10-673-594-1  
 ; Sequence 1, Application US/10673594  
 ; Publication No. US20040076625A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hellman, Lars T.  
 ; TITLE OF INVENTION: ENHANCED VACCINES  
 ; FILE REFERENCE: 10223/006001  
 ; CURRENT APPLICATION NUMBER: US/10/673,594  
 ; CURRENT FILING DATE: 2003-09-29  
 ; PRIOR APPLICATION NUMBER: US/09/401,636  
 ; PRIOR FILING DATE: 1999-09-22  
 ; PRIOR APPLICATION NUMBER: US 60/106,652  
 ; PRIOR FILING DATE: 1998-11-02  
 ; NUMBER OF SEQ ID NOS: 11  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 1  
 ; LENGTH: 331  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Synthetically generated proteins  
 ; US-10-673-594-1

Query Match 100.0%; Score 1707; DB 16; Length 331;  
 Best Local Similarity 100.0%; Pred. No. 1.9e-139;  
 Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTPTVKILQSSCDGGGHPPTTQLCLVSGYTPGTINITWLEDGQVMDVLDLSTATTQE 60  
 DB 12 FTPTVKILQSSCDGGGHPPTTQLCLVSGYTPGTINITWLEDGQVMDVLDLSTATTQE 71

QY 61 GELASTQSELTLSQKHWLSDRTVTCQVYQGHTEFSTKKCADSNPRGVSAYLSRSPFD 120  
 DB 72 GELASTQSELTLSQKHWLSDRTVTCQVYQGHTEFSTKKCADSNPRGVSAYLSRSPFD 131

QY 121 LFIKSPPTITCLVVDLAPSKGTVNLWTSRASKGPNVHSTRKEEKORNGTLTWTSLPVG 180

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Db 132 LFIKSPITICLVVDLAPSGTGNLTWSRAGSPVNHSTIRKEKQKNGTLTSTLPGVT 191
Qy 181 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240
Db 192 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 251
Qy 241 NFMPEDISVQWLHNEVQLPDRHSTTQPRKTKGSGFFVFSRLEVTAEWEQKDEFICRAV 300
Db 252 NFMPEDISVQWLHNEVQLPDRHSTTQPRKTKGSGFFVFSRLEVTAEWEQKDEFICRAV 311
Qy 301 HEAASPSQTVQRAVSNPGK 320
Db 312 HEAASPSQTVQRAVSNPGK 331

RESULT 10
US-09-847-208-5
; Sequence 5, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daoheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES
; FILE REFERENCE: UC67.002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-847-208-5

Query Match 100.0%; Score 1707; DB 10; Length 427;
Best Local Similarity 100.0%; Pred. No. 2.6e-139;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVDLSTASTTQE 60
Db 108 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVDLSTASTTQE 167
Qy 61 GELASTQSELTLSQKHWLSDRTYTCQVTYQGHTEFEDSTKKCADSNPRGVSAYLSRSPFD 120
Db 168 GELASTQSELTLSQKHWLSDRTYTCQVTYQGHTEFEDSTKKCADSNPRGVSAYLSRSPFD 227
Qy 121 LFIKSPITICLVVDLAPSGTGNLTWSRAGSPVNHSTIRKEKQKNGTLTSTLPGVT 180
Db 228 LFIKSPITICLVVDLAPSGTGNLTWSRAGSPVNHSTIRKEKQKNGTLTSTLPGVT 287
Qy 181 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240
Db 288 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 347
Qy 241 NFMPEDISVQWLHNEVQLPDRHSTTQPRKTKGSGFFVFSRLEVTAEWEQKDEFICRAV 300
Db 348 NFMPEDISVQWLHNEVQLPDRHSTTQPRKTKGSGFFVFSRLEVTAEWEQKDEFICRAV 407
Qy 301 HEAASPSQTVQRAVSNPGK 320
Db 408 HEAASPSQTVQRAVSNPGK 427

RESULT 11
US-09-847-208-5
; Sequence 5, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
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; TITLE OF INVENTION: TREATMENT OF IMMUNE DISEASES
; FILE REFERENCE: UC067.004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-000-439-5

Query Match 100.0%; Score 1707; DB 12; Length 427;
Best Local Similarity 100.0%; Pred. No. 2.6e-139;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVDLSTASTTQE 60
Db 108 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVDLSTASTTQE 167
Qy 61 GELASTQSELTLSQKHWLSDRTYTCQVTYQGHTEFEDSTKKCADSNPRGVSAYLSRSPFD 120
Db 168 GELASTQSELTLSQKHWLSDRTYTCQVTYQGHTEFEDSTKKCADSNPRGVSAYLSRSPFD 227
Qy 121 LFIKSPITICLVVDLAPSGTGNLTWSRAGSPVNHSTIRKEKQKNGTLTSTLPGVT 180
Db 228 LFIKSPITICLVVDLAPSGTGNLTWSRAGSPVNHSTIRKEKQKNGTLTSTLPGVT 287
Qy 181 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240
Db 288 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 347
Qy 241 NFMPEDISVQWLHNEVQLPDRHSTTQPRKTKGSGFFVFSRLEVTAEWEQKDEFICRAV 300
Db 348 NFMPEDISVQWLHNEVQLPDRHSTTQPRKTKGSGFFVFSRLEVTAEWEQKDEFICRAV 407
Qy 301 HEAASPSQTVQRAVSNPGK 320
Db 408 HEAASPSQTVQRAVSNPGK 427

RESULT 12
US-09-916-230-1
; Sequence 1, Application US/09916230
; Patent No. US20020146422A1
; GENERAL INFORMATION:
; APPLICANT: Bachmann, Martin F.
; APPLICANT: Renner, Wolfgang A.
; TITLE OF INVENTION: Compositions for Inducing Self-Specific Anti-IgE
; TITLE OF INVENTION: Antibodies and Uses Thereof
; FILE REFERENCE: 1700.0140001
; CURRENT APPLICATION NUMBER: US/09/916,230
; CURRENT FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: US 60/221,841
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 1
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-916-230-1

Query Match 100.0%; Score 1707; DB 9; Length 428;
Best Local Similarity 100.0%; Pred. No. 2.6e-139;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVDLSTASTTQE 60
Db 109 FTPPTVKILQSSCDGGGHPPTIQLCLVSGYTPGTINITWLEDQVMDVDLSTASTTQE 168
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QY 61 GELASTQSELTLSQKHWLSDRITYTCQVYQGHFTFEDSTKKCADSNPRGVSAYLSRSPFD 120
Db 169 GELASTQSELTLSQKHWLSDRITYTCQVYQGHFTFEDSTKKCADSNPRGVSAYLSRSPFD 228
QY 121 LFIKSPITITCLVVDLAPSGKTNLWTSRSGKPVNHSRKEEKQKNGTLTVTSTLPGVT 180
Db 229 LFIKSPITITCLVVDLAPSGKTNLWTSRSGKPVNHSRKEEKQKNGTLTVTSTLPGVT 288
QY 181 RDMIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDRKTLACLQ 240
Db 289 RDMIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDRKTLACLQ 348
QY 241 NFWPEDIISVQWLHNEVQLPDARHSTTQPKTKSGGFFVFSRLEVTAEWEQKDEFICRAV 300
Db 349 NFWPEDIISVQWLHNEVQLPDARHSTTQPKTKSGGFFVFSRLEVTAEWEQKDEFICRAV 408
QY 301 HEAASPSTQVQRAVSVPNGK 320
Db 409 HEAASPSTQVQRAVSVPNGK 428

RESULT 13
US-09-949-375A-1
; Sequence 1, Application US/09949375A
; Patent No. US20020172673A1
; GENERAL INFORMATION:
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 3631-011P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 428
; TYPE: PRT
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (11)..(116)
; OTHER INFORMATION: Human Ige heavy chain C1 domain
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (209)..(216)
; OTHER INFORMATION: Linker between domains C2 and C3
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (205)..(219)
; OTHER INFORMATION: Epitope including C2C3 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (315)..(323)
; OTHER INFORMATION: Epitope including C3C4 linker
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (244)..(251)
; OTHER INFORMATION: Epitope in BC loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (272)..(280)
; OTHER INFORMATION: Epitope in DE loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (301)..(311)
; OTHER INFORMATION: Epitope in FG loop
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (317)..(320)
; OTHER INFORMATION: Linker between domains C3 and C4
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (321)..(422)
; OTHER INFORMATION: Human Ige heavy chain C4 domain

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; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (217)..(316)
; OTHER INFORMATION: Human Ige heavy chain C3 domain
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (113)..(208)
; OTHER INFORMATION: Human Ige heavy chain C2 domain
US-09-949-375A-1

Query Match
Best Local Similarity 100.0%; Score 1707; DB 9; Length 428;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDGQVMDVDLSTASTTQE 60
Db 109 FTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDGQVMDVDLSTASTTQE 168
QY 61 GELASTQSELTLSQKHWLSDRITYTCQVYQGHFTFEDSTKKCADSNPRGVSAYLSRSPFD 120
Db 169 GELASTQSELTLSQKHWLSDRITYTCQVYQGHFTFEDSTKKCADSNPRGVSAYLSRSPFD 228
QY 121 LFIKSPITITCLVVDLAPSGKTNLWTSRSGKPVNHSRKEEKQKNGTLTVTSTLPGVT 180
Db 229 LFIKSPITITCLVVDLAPSGKTNLWTSRSGKPVNHSRKEEKQKNGTLTVTSTLPGVT 288
QY 181 RDMIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDRKTLACLQ 240
Db 289 RDMIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEWPGSRDRKTLACLQ 348
QY 241 NFWPEDIISVQWLHNEVQLPDARHSTTQPKTKSGGFFVFSRLEVTAEWEQKDEFICRAV 300
Db 349 NFWPEDIISVQWLHNEVQLPDARHSTTQPKTKSGGFFVFSRLEVTAEWEQKDEFICRAV 408
QY 301 HEAASPSTQVQRAVSVPNGK 320
Db 409 HEAASPSTQVQRAVSVPNGK 428

RESULT 14
US-10-047-542-60
; Sequence 60, Application US/10047542
; Publication No. US20020168367A1
; GENERAL INFORMATION:
; APPLICANT: LARRICK, JAMES W.
; APPLICANT: WYCOFF, KEITH L.
; TITLE OF INVENTION: NOVEL IMMUNOADHESINS FOR TREATING AND PREVENTING VIRAL
; TITLE OF INVENTION: AND BACTERIAL DISEASES
; FILE REFERENCE: 030905.0004.C1P1
; CURRENT APPLICATION NUMBER: US/10/047,542
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: PCT/US01/13932
; PRIOR FILING DATE: 2001-04-28
; PRIOR APPLICATION NUMBER: 60/200,298
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 60
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-047-542-60

Query Match
Best Local Similarity 100.0%; Score 1707; DB 13; Length 428;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDGQVMDVDLSTASTTQE 60
Db 109 FTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDGQVMDVDLSTASTTQE 168
QY 61 GELASTQSELTLSQKHWLSDRITYTCQVYQGHFTFEDSTKKCADSNPRGVSAYLSRSPFD 120

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Db 169 GELASTQSELTLSQKHLSDRTYTCQVYQGHTEFEDSTKKCADSNPRGVSAYLSRPSFFD 228
QY 121 LFIKRSPTITCLVVDLAPSKGTNLTWSRASKPVNHSRKEEKORNGTLTSTLPEVGT 180
Db 229 LFIKRSPTITCLVVDLAPSKGTNLTWSRASKPVNHSRKEEKORNGTLTSTLPEVGT 288
QY 181 RDWIEGETYQCRVTHPHLPRALMSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240
Db 289 RDWIEGETYQCRVTHPHLPRALMSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 348
QY 241 NFMPEDISVQWLHNEVOLPDARHSTTTPRKTKSGGFFVFSRLEVTTRAWEQKDEFICRAV 300
Db 349 NFMPEDISVQWLHNEVOLPDARHSTTTPRKTKSGGFFVFSRLEVTTRAWEQKDEFICRAV 408
QY 301 HEAASPSQTVQRAVSNPGK 320
Db 409 HEAASPSQTVQRAVSNPGK 428
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RESULT 15
US-09-847-208-7
; Sequence 7, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Baocheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES
; FILE REFERENCE: UC67.002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 569
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Fusion between hinge-CH2-CH3 (IgG1) to CH2-CH3-CH4
; OTHER INFORMATION: (Ige)
US-09-847-208-7
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Query Match 100.0%; Score 1707; DB 10; Length 569;
Best Local Similarity 100.0%; Pred. No. 3.8e-139;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTPPTVKILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVLDLSTASTQE 60
Db 250 FTPPTVKILQSSCDGGGHPPTIQLLCLVSGYTPGTINITWLEDGQVMDVLDLSTASTQE 309
QY 61 GELASTQSELTLSQKHLSDRTYTCQVYQGHTEFEDSTKKCADSNPRGVSAYLSRPSFFD 120
Db 310 GELASTQSELTLSQKHLSDRTYTCQVYQGHTEFEDSTKKCADSNPRGVSAYLSRPSFFD 369
QY 121 LFIKRSPTITCLVVDLAPSKGTNLTWSRASKPVNHSRKEEKORNGTLTSTLPEVGT 180
Db 370 LFIKRSPTITCLVVDLAPSKGTNLTWSRASKPVNHSRKEEKORNGTLTSTLPEVGT 429
QY 181 RDWIEGETYQCRVTHPHLPRALMSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 240
Db 430 RDWIEGETYQCRVTHPHLPRALMSTTKTSGPRAAPEVYAFATPEWPGSRDKRTLACLIQ 489
QY 241 NFMPEDISVQWLHNEVOLPDARHSTTTPRKTKSGGFFVFSRLEVTTRAWEQKDEFICRAV 300
Db 490 NFMPEDISVQWLHNEVOLPDARHSTTTPRKTKSGGFFVFSRLEVTTRAWEQKDEFICRAV 549
QY 301 HEAASPSQTVQRAVSNPGK 320
Db 550 HEAASPSQTVQRAVSNPGK 569
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Search completed: August 18, 2004, 01:12:40





GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: August 18, 2004, 00:59:09 ; Search time 25.0419 Seconds  
(without alignments)

2908.366 Million cell updates/sec

Title: US-09-847-208B-3

Perfect score: 1260

Sequence: 1 EPKSCDTHTCPPCPAPPELL.....MHEALNNHQQRSLSLSPGK 232

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1292805 seqs, 313927144 residues

Total number of hits satisfying chosen parameters: 1292805

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

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2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
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15: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Match	Query Length	DB ID	Description
1	1260	100.0	232	10	US-09-847-208-3
2	1260	100.0	232	12	US-10-000-439-3
3	1260	100.0	330	10	US-09-847-208-2
4	1260	100.0	330	12	US-10-000-439-2
5	1260	100.0	569	10	US-09-847-208-7
6	1260	100.0	569	12	US-10-000-439-7
7	1225	97.2	232	9	US-09-996-357-10
8	1225	97.2	232	10	US-09-389-782-1
9	1225	97.2	232	16	US-10-617-619-7
10	1225	97.2	235	14	US-10-207-655-208
11	1225	97.2	247	9	US-09-996-357-13
12	1225	97.2	251	14	US-10-008-063-18
13	1225	97.2	251	14	US-10-152-363A-6
14	1225	97.2	267	9	US-09-996-357-12
15	1225	97.2	288	10	US-09-822-851B-14

16	1225	97.2	288	14	US-10-119-637A-14
17	1225	97.2	329	15	US-10-370-749-48
18	1225	97.2	330	10	US-09-995-898A-15
19	1225	97.2	330	10	US-09-892-949-38
20	1225	97.2	330	12	US-10-420-034A-15
21	1225	97.2	330	12	US-10-257-907-5
22	1225	97.2	330	12	US-10-383-902A-6
23	1225	97.2	330	13	US-10-047-542-0
24	1225	97.2	330	14	US-10-269-805-68
25	1225	97.2	330	14	US-10-310-719-8
26	1225	97.2	330	14	US-10-112-582-1
27	1225	97.2	330	14	US-10-320-231A-81
28	1225	97.2	330	16	US-10-488-901-2
29	1225	97.2	330	16	US-10-656-769-2
30	1225	97.2	330	16	US-10-679-620-58
31	1225	97.2	330	16	US-10-772-531-38
32	1225	97.2	331	14	US-10-341-836-2
33	1225	97.2	332	10	US-09-990-586-98
34	1225	97.2	332	14	US-10-310-113-167
35	1225	97.2	332	14	US-10-230-880-98
36	1225	97.2	333	12	US-10-272-899A-8
37	1225	97.2	356	12	US-10-272-899A-72
38	1225	97.2	358	14	US-10-233-150-5
39	1225	97.2	360	9	US-09-949-713-11
40	1225	97.2	367	15	US-10-452-646-9
41	1225	97.2	371	14	US-10-097-044A-7
42	1225	97.2	376	9	US-09-949-713-22
43	1225	97.2	376	14	US-10-084-139-10
44	1225	97.2	377	14	US-10-363-427-16
45	1225	97.2	379	12	US-10-679-999-9

#### ALIGNMENTS

#### RESULT 1

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US-09-847-208-3
; Sequence 3, Application US/09847208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daocheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES
; FILE REFERENCE: UC67,002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-847-208-3

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Query Match		100.0%;	Score 1260;	DB 10;	Length 232;
Best Local Similarity		100.0%;	Pred. No. 1.2e-99;		
Matches 232;		Conservative	0;	Mismatches	0;
				Indels	0;
				Gaps	0;
QY	1	EPKSCDTHTCPPCPAPPELLGGPSVFLFPPKPKDITMISRTPEVTCVVYVDSHEDPEVKE	60		
Db	1	EPKSCDTHTCPPCPAPPELLGGPSVFLFPPKPKDITMISRTPEVTCVVYVDSHEDPEVKE	60		
QY	61	NWYVDGVEVHNKTKPREEYQNSTYRVVSVLTVLHONWNGKEYKCKVSNKALPAPIEKT	120		
Db	61	NWYVDGVEVHNKTKPREEYQNSTYRVVSVLTVLHONWNGKEYKCKVSNKALPAPIEKT	120		
QY	121	ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP	180		
Db	121	ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP	180		
QY	181	PVLDSVGSFLYSLKLTVDKSRWQQGNVFCSVNHEALHNHQQRSLSLSPGK	232		

Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSVWHEALHNNHYQORSLSLSPGK 232  
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## RESULT 2

US-10-000-439-3  
; Sequence 3, Application US/10000439  
; Publication No. US20030064063A1  
; GENERAL INFORMATION:  
; APPLICANT: Saxon, Andrew  
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR  
; FILE REFERENCE: UC067.004A  
; CURRENT APPLICATION NUMBER: US/10/000,439  
; PRIOR FILING DATE: 2001-10-24  
; PRIOR FILING DATE: 2001-05-01  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 232  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-000-439-3

Query Match 100.0%; Score 1260; DB 12; Length 232;  
Best Local Similarity 100.0%; Pred. No. 1.2e-99;  
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
Db 1 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
Qy 61 NWYVDGVEVHNVTKPREEQNSTYRVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120  
Db 61 NWYVDGVEVHNVTKPREEQNSTYRVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120  
Qy 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180  
Db 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180  
Qy 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSVWHEALHNNHYQORSLSLSPGK 232  
Db 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSVWHEALHNNHYQORSLSLSPGK 232

## RESULT 3

US-09-847-208-2  
; Sequence 2, Application US/09847208  
; Publication No. US20030082190A1  
; GENERAL INFORMATION:  
; APPLICANT: Saxon, Andrew  
; APPLICANT: Zhang, Ke  
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF  
; FILE REFERENCE: UC67.002A  
; CURRENT APPLICATION NUMBER: US/09/847,208  
; CURRENT FILING DATE: 2001-05-01  
; SOFTWARE: FastSeq for Windows Version 4.0  
; NUMBER OF SEQ ID NOS: 177  
; SEQ ID NO 2  
; LENGTH: 330  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-847-208-2

Query Match 100.0%; Score 1260; DB 10; Length 330;  
Best Local Similarity 100.0%; Pred. No. 1.8e-99;  
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
|||||

Db 99 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 158  
Qy 61 NWYVDGVEVHNVTKPREEQNSTYRVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120  
Db 159 NWYVDGVEVHNVTKPREEQNSTYRVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 218  
Qy 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180  
Db 219 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 278  
Qy 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSVWHEALHNNHYQORSLSLSPGK 232  
Db 279 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSVWHEALHNNHYQORSLSLSPGK 330

## RESULT 4

US-10-000-439-2  
; Sequence 2, Application US/10000439  
; Publication No. US20030064063A1  
; GENERAL INFORMATION:  
; APPLICANT: Saxon, Andrew  
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR  
; FILE REFERENCE: UC067.004A  
; CURRENT APPLICATION NUMBER: US/10/000,439  
; CURRENT FILING DATE: 2001-10-24  
; PRIOR FILING DATE: 2001-05-01  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 330  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-000-439-2

Query Match 100.0%; Score 1260; DB 12; Length 330;  
Best Local Similarity 100.0%; Pred. No. 1.8e-99;  
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60  
Db 99 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 158  
Qy 61 NWYVDGVEVHNVTKPREEQNSTYRVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120  
Db 159 NWYVDGVEVHNVTKPREEQNSTYRVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 218  
Qy 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180  
Db 219 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 278  
Qy 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSVWHEALHNNHYQORSLSLSPGK 232  
Db 279 PVLDSVGSFFLYSKLTVDKSRWQGNVFCVSVWHEALHNNHYQORSLSLSPGK 330

## RESULT 5

US-09-847-208-7  
; Sequence 7, Application US/09847208  
; Publication No. US20030082190A1  
; GENERAL INFORMATION:  
; APPLICANT: Saxon, Andrew  
; APPLICANT: Zhang, Ke  
; APPLICANT: Zhu, Daocheng  
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF  
; FILE REFERENCE: UC67.002A  
; CURRENT APPLICATION NUMBER: US/09/847,208  
; CURRENT FILING DATE: 2001-05-01  
; NUMBER OF SEQ ID NOS: 177  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 7

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; LENGTH: 569
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Fusion between hinge-CH2-CH3 (IgG1) to CH2-CH3-CH4
; OTHER INFORMATION: (Ige)
US-09-847-208-7

Query Match      100.0%; Score 1260; DB 10; Length 569;
Best Local Similarity 100.0%; Pred. No. 3.6e-99;
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCCPCPAPPELLGGPSVFLFPPPKDPTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 1 EPKSCDKHTCCPCPAPPELLGGPSVFLFPPPKDPTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NWYVDGVEVHNKTKPREEQNSTYRVVSVLTVTLQHNWMNGKEYCKVSNKALPAPIEKT 120
Db 61 NWYVDGVEVHNKTKPREEQNSTYRVVSVLTVTLQHNWMNGKEYCKVSNKALPAPIEKT 120
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGYFSPDIAVEWESNGQPENNYKTP 180
Db 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGYFSPDIAVEWESNGQPENNYKTP 180
QY 181 PVLDVSGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYQQRSLSLSPGK 232
Db 181 PVLDVSGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYQQRSLSLSPGK 232

RESULT 6
US-10-000-439-7
; Sequence 7, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; FILE OF INVENTION: TREATMENT OF IMMUNE DISEASES
; FILE REFERENCE: UG067.004A
; CURRENT APPLICATION NUMBER: US/10/000.439
; PRIOR FILING DATE: 2001-10-24
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 569
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Fusion polypeptide comprising a hinge-CH2-CH3
; OTHER INFORMATION: (IgG1) sequence and a CH2-CH3-CH4 (Ige) sequence
US-10-000-439-7

Query Match      100.0%; Score 1260; DB 12; Length 569;
Best Local Similarity 100.0%; Pred. No. 3.6e-99;
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCCPCPAPPELLGGPSVFLFPPPKDPTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 1 EPKSCDKHTCCPCPAPPELLGGPSVFLFPPPKDPTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NWYVDGVEVHNKTKPREEQNSTYRVVSVLTVTLQHNWMNGKEYCKVSNKALPAPIEKT 120
Db 61 NWYVDGVEVHNKTKPREEQNSTYRVVSVLTVTLQHNWMNGKEYCKVSNKALPAPIEKT 120
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGYFSPDIAVEWESNGQPENNYKTP 180
Db 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGYFSPDIAVEWESNGQPENNYKTP 180
QY 181 PVLDVSGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYQQRSLSLSPGK 232
Db 181 PVLDVSGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYQQRSLSLSPGK 232
```

```
RESULT 7
US-09-996-357-10
; Sequence 10, Application US/09996357
; Patent No. US20020133001A1
; GENERAL INFORMATION:
; APPLICANT: Geffer, Malcolm L
; APPLICANT: Isreal, David I
; APPLICANT: Joyal, John L
; APPLICANT: Gosselin, Michael
; TITLE OF INVENTION: THERAPEUTIC AGENTS AND METHODS OF USE THEREOF FOR
; FILE REFERENCE: PPI-105
; CURRENT APPLICATION NUMBER: US/09/996,357
; PRIOR FILING DATE: 2001-11-27
; PRIOR FILING DATE: 2000-11-27
; PRIOR FILING DATE: 2000-11-29
; PRIOR FILING DATE: 2000-11-29
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens
; ORGANISM: Homo sapiens
US-09-996-357-10

Query Match      97.2%; Score 1225; DB 9; Length 232;
Best Local Similarity 97.0%; Pred. No. 1.1e-96;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCCPCPAPPELLGGPSVFLFPPPKDPTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 1 EPKSCDKHTCCPCPAPPELLGGPSVFLFPPPKDPTLMISRTPEVTCVVVDVSHEDPEVKF 60
QY 61 NWYVDGVEVHNKTKPREEQNSTYRVVSVLTVTLQHNWMNGKEYCKVSNKALPAPIEKT 120
Db 61 NWYVDGVEVHNKTKPREEQNSTYRVVSVLTVTLQHNWMNGKEYCKVSNKALPAPIEKT 120
QY 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGYFSPDIAVEWESNGQPENNYKTP 180
Db 121 ISKAKVQPREPOVYTLPPSRDELTKNQVSLTCLVKGYFSPDIAVEWESNGQPENNYKTP 180
QY 181 PVLDVSGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYQQRSLSLSPGK 232
Db 181 PVLDVSGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNNHYQQRSLSLSPGK 232

RESULT 8
US-09-389-782-1
; Sequence 1, Application US/09389782
; Publication No. US20030144187A1
; GENERAL INFORMATION:
; APPLICANT: Wooden, Scott K.
; APPLICANT: Mann, Michael B.
; APPLICANT: Dunstan, Colin R.
; TITLE OF INVENTION: OPG Fusion Protein Compositions and Methods
; FILE REFERENCE: A-604
; CURRENT APPLICATION NUMBER: US/09/389,782
; CURRENT FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Human
; ORGANISM: Human
US-09-389-782-1

Query Match      97.2%; Score 1225; DB 10; Length 232;
Best Local Similarity 97.0%; Pred. No. 1.1e-96;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
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QY 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120  
DB 61 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120  
QY 121 ISKAKVQPREPQVYITLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTP 180  
DB 121 ISKAKVQPREPQVYITLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTP 180  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSVNHEALHNHYTQKSLSLSPGK 232  
DB 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSVNHEALHNHYTQKSLSLSPGK 232

## RESULT 9

US-10-617-619-7  
; Sequence 7, Application US/10617619  
; Publication No. US20040110929A1  
; GENERAL INFORMATION:  
; APPLICANT: Bjorn, Soren E  
; APPLICANT: Nicolaissen, Else M  
; APPLICANT: Jorgensen, Anker S  
; TITLE OF INVENTION: TF Binding Compound  
; FILE REFERENCE: 6455.200-US  
; CURRENT APPLICATION NUMBER: US/10/617,619  
; CURRENT FILING DATE: 2003-07-11  
; PRIOR APPLICATION NUMBER: Danish Application No. PA 2002 01099  
; PRIOR FILING DATE: 2002-07-12  
; PRIOR APPLICATION NUMBER: US 60/404,568  
; PRIOR FILING DATE: 2002-08-19  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: Patentin version 3.2  
; SEQ ID NO 7  
; LENGTH: 232  
; TYPE: PRT  
; ORGANISM: Human  
US-10-617-619-7

Query Match 97.2%; Score 1225; DB 16; Length 232;  
Best Local Similarity 97.0%; Pred. No. 1.1e-96;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120  
DB 61 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120  
QY 121 ISKAKVQPREPQVYITLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTP 180  
DB 121 ISKAKVQPREPQVYITLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTP 180  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSVNHEALHNHYTQKSLSLSPGK 232  
DB 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSVNHEALHNHYTQKSLSLSPGK 232

## RESULT 10

US-10-207-655-208  
; Sequence 208, Application US/10207655  
; Publication No. US20030118592A1  
; GENERAL INFORMATION:  
; APPLICANT: Ledbetter, Jeffrey A.  
; APPLICANT: Hayden-Ledbetter, Martha S.  
; TITLE OF INVENTION: BINDING DOMAIN-IMMUNOGLOBULIN FUSION PROTEINS  
; FILE REFERENCE: 390069.401C1  
; CURRENT APPLICATION NUMBER: US/10/207,655

; CURRENT FILING DATE: 2002-07-25  
; NUMBER OF SEQ ID NOS: 426  
; SOFTWARE: Patentin version 3.0  
; SEQ ID NO 208  
; LENGTH: 235  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Fusion polypeptide  
US-10-207-655-208

Query Match 97.2%; Score 1225; DB 14; Length 235;  
Best Local Similarity 97.0%; Pred. No. 1.2e-96;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 4 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 63  
QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120  
DB 64 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 123  
QY 121 ISKAKVQPREPQVYITLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTP 180  
DB 124 ISKAKVQPREPQVYITLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTP 183  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSVNHEALHNHYTQKSLSLSPGK 232  
DB 184 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSVNHEALHNHYTQKSLSLSPGK 235

## RESULT 11

US-09-996-357-13  
; Sequence 13, Application US/09996357  
; Patent No. US20020133001A1  
; GENERAL INFORMATION:  
; APPLICANT: Geiter, Malcolm L  
; APPLICANT: Isreal, David I  
; APPLICANT: Joyal, John L  
; APPLICANT: Gosselin, Michael  
; TITLE OF INVENTION: THERAPEUTIC AGENTS AND METHODS OF USE THEREOF FOR  
; TITLE OF INVENTION: TREATING AN AMYLOIDOTIC DISEASE  
; FILE REFERENCE: PRI-105  
; CURRENT APPLICATION NUMBER: US/09/996,357  
; CURRENT FILING DATE: 2001-11-27  
; PRIOR APPLICATION NUMBER: 60/253,302  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/250,198  
; PRIOR FILING DATE: 2000-11-29  
; PRIOR APPLICATION NUMBER: 60/257,186  
; PRIOR FILING DATE: 2000-12-20  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 13  
; LENGTH: 247  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-996-357-13

Query Match 97.2%; Score 1225; DB 9; Length 247;  
Best Local Similarity 97.0%; Pred. No. 1.2e-96;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 16 EPKSCDKTHTCCPCAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 75  
QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120  
DB 76 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 135  
QY 121 ISKAKVQPREPQVYITLPPSRDELTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTP 180

Db 136 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 195  
Qy 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQOQSLSLSPGK 232  
Db 196 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQOQSLSLSPGK 247  
RESULT 12  
US-10-008-063-18  
; Sequence 18, Application US/10008063  
; Publication No. US20030092164A1  
; GENERAL INFORMATION:  
; APPLICANT: Gross, Jane A.  
; APPLICANT: Xu, Wenfeng  
; APPLICANT: Henne, Randal M.  
; APPLICANT: Grant, Francis, J.  
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor  
; FILE REFERENCE: 00-103  
; CURRENT APPLICATION NUMBER: US/10/008,063  
; CURRENT FILING DATE: 2001-11-05  
; NUMBER OF SEQ ID NOS: 46  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 18  
; LENGTH: 251  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-008-063-18  
Query Match 97.2%; Score 1225; DB 14; Length 251;  
Best Local Similarity 97.0%; Pred. No. 1.3e-96;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
Qy 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKP 60  
Db 20 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 79  
Qy 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120  
Db 80 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 139  
Qy 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180  
Db 140 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 199  
Qy 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQOQSLSLSPGK 232  
Db 200 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQOQSLSLSPGK 251  
RESULT 13  
US-10-152-363A-6  
; Sequence 6, Application US/10152363A  
; Publication No. US20030103986A1  
; GENERAL INFORMATION:  
; APPLICANT: Rixon, Mark W.  
; APPLICANT: Gross, Jane A.  
; TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins  
; FILE REFERENCE: 01-20  
; CURRENT APPLICATION NUMBER: US/10/152,363A  
; CURRENT FILING DATE: 2002-05-20  
; PRIOR APPLICATION NUMBER: 60/293,343  
; PRIOR FILING DATE: 2001-05-24  
; NUMBER OF SEQ ID NOS: 70  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 6  
; LENGTH: 251  
; TYPE: PRT  
; ORGANISM: Homo Sapiens  
US-10-152-363A-6  
Query Match 97.2%; Score 1225; DB 14; Length 251;  
Best Local Similarity 97.0%; Pred. No. 1.3e-96;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
Qy 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
Db 20 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 79  
Qy 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120  
Db 80 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 139  
Qy 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180  
Db 140 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 199  
Qy 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQOQSLSLSPGK 232  
Db 200 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQOQSLSLSPGK 251  
RESULT 14  
US-09-996-357-12  
; Sequence 12, Application US/09996357  
; Patent No. US20020133001A1  
; GENERAL INFORMATION:  
; APPLICANT: Gifter, Malcolm L  
; APPLICANT: Isreal, David I  
; APPLICANT: Joyal, John L  
; APPLICANT: Gosselin, Michael  
; TITLE OF INVENTION: THERAPEUTIC AGENTS AND METHODS OF USE THEREOF FOR  
; TITLE OF INVENTION: TREATING AN AMYLOIDOTIC DISEASE  
; FILE REFERENCE: PPI-105  
; CURRENT APPLICATION NUMBER: US/09/996,357  
; CURRENT FILING DATE: 2001-11-27  
; PRIOR APPLICATION NUMBER: 60/253,302  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/250,198  
; PRIOR FILING DATE: 2000-11-29  
; PRIOR APPLICATION NUMBER: 60/257,186  
; PRIOR FILING DATE: 2000-12-20  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 12  
; LENGTH: 267  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: alpha-beta (16-30)Fc  
US-09-996-357-12  
Query Match 97.2%; Score 1225; DB 9; Length 267;  
Best Local Similarity 97.0%; Pred. No. 1.4e-96;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
Qy 1 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
Db 36 EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 95  
Qy 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 120  
Db 96 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT 155  
Qy 121 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 180  
Db 156 ISKAKQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP 215  
Qy 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQOQSLSLSPGK 232  
Db 216 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYQOQSLSLSPGK 267  
RESULT 15  
US-09-822-851B-14  
; Sequence 14, Application US/09822851B

Publication No. US2003009596A1  
GENERAL INFORMATION:  
APPLICANT: Liu, Yang  
APPLICANT: Zheng, Pan  
APPLICANT: Bai, Xue-Feng  
TITLE OF INVENTION: Methods of Blocking Tissue Destruction by Autoreactive T Cells  
FILE REFERENCE: 22727/04047  
CURRENT APPLICATION NUMBER: US/09/822,851B  
CURRENT FILING DATE: 2001-03-29  
NUMBER OF SEQ ID NOS: 16  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 14  
LENGTH: 288  
TYPE: PRT  
ORGANISM: Artificial sequence  
FEATURE:  
OTHER INFORMATION: residues 1-52 are mouse HSA sequences, residues 53-55 are unknown  
OTHER INFORMATION: sequences, residues 56-288 are human IgG1 Fc sequences  
US-09-822-851B-14

Query Match 97.2%; Score 1225; DB 10; Length 288;  
Best Local Similarity 97.0%; Pred. NO. 1.5e-36;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
QY 1 EPKSCDKTHTCPCPAPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 56 EPKSCDKTHTCPCPAPELLGGPSVFLFPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKF 115  
QY 61 NWTVDGVEVHNVTKPREBQYNSTYRVSVLTVHLQWNGVKYKCKVSNKALPAPIEKT 120  
DB 116 NWTVDGVEVHNVTKPREBQYNSTYRVSVLTVHLQWNGVKYKCKVSNKALPAPIEKT 175  
QY 121 ISKAKQPREPQVYTLPPSDELTKNQVSLTCLVKGFPSDIAVEWESNGQPENNYKTP 180  
DB 176 ISKAKQPREPQVYTLPPSDELTKNQVSLTCLVKGFPSDIAVEWESNGQPENNYKTP 235  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSVNHEALHNHYQORSLSPGK 232  
DB 236 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSVNHEALHNHYQORSLSPGK 287

Search completed: August 18, 2004, 01:12:39  
Job time : 26.0419 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: August 18, 2004, 00:56:48 ; Search time 9.31311 Seconds  
(without alignments)  
1286.060 Million cell updates/sec

Title: US-09-847-208B-3

Perfect score: 1260

Sequence: 1 EPKSCDKTHCPAPPELL.....MHEALHNHYOQSLSPGK 232

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA.\*  
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2: /cgn2\_6/ptodata/2/iaa/5B.COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/6A.COMB.pep.\*  
4: /cgn2\_6/ptodata/2/iaa/6B.COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PCTUS.COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1225	97.2	232	2	US-08-595-043A-50
2	1225	97.2	331	3	US-08-178-869-2
3	1225	97.2	331	4	US-08-761-413-2
4	1225	97.2	360	4	US-08-180-100-11
5	1225	97.2	371	1	US-08-236-311-7
6	1225	97.2	371	3	US-08-457-918-7
7	1225	97.2	376	4	US-09-180-100-22
8	1225	97.2	396	2	US-08-784-512-3
9	1225	97.2	396	3	US-09-176-228-3
10	1225	97.2	424	5	PCT-US93-03866-12
11	1225	97.2	424	5	PCT-US93-03866-14
12	1225	97.2	437	5	PCT-US96-10043-11
13	1225	97.2	442	4	US-08-472-888A-7
14	1225	97.2	442	5	PCT-US96-10043-9
15	1225	97.2	446	3	US-08-397-411-7
16	1225	97.2	449	1	US-08-458-516-13
17	1225	97.2	459	1	US-08-157-101A-7
18	1225	97.2	475	4	US-08-740-002-27
19	1225	97.2	476	2	US-08-378-939-10
20	1225	97.2	476	3	US-08-487-550-4
21	1225	97.2	476	3	US-08-487-550-12
22	1225	97.2	476	4	US-08-526-098-4
23	1225	97.2	476	4	US-08-526-098-12
24	1225	97.2	478	3	US-08-487-550-8
25	1225	97.2	478	4	US-09-526-098-8
26	1225	97.2	497	4	US-09-499-846-6
27	1225	97.2	525	4	US-09-499-846-4

28 1225 97.2 547 4 US-09-746-359A-54 Sequence 54, Appl  
29 1225 97.2 571 4 US-09-746-359A-53 Sequence 53, Appl  
30 1225 97.2 592 4 US-09-313-942-8 Sequence 8, Appl  
31 1225 97.2 622 4 US-09-499-846-2 Sequence 2, Appl  
32 1225 97.2 859 4 US-09-313-942-7 Sequence 7, Appl  
33 1225 97.2 951 4 US-09-313-942-9 Sequence 9, Appl  
34 1224 97.1 475 4 US-09-740-002-25 Sequence 25, Appl  
35 1221 96.9 462 4 US-09-289-942A-7 Sequence 7, Appl  
36 1220 96.8 254 3 US-08-284-391B-33 Sequence 33, Appl  
37 1220 96.8 254 3 US-09-218-950-33 Sequence 33, Appl  
38 1219 96.7 330 4 US-09-301-593-22 Sequence 22, Appl  
39 1219 96.7 451 2 US-08-887-352B-14 Sequence 14, Appl  
40 1219 96.7 451 2 US-08-887-352B-16 Sequence 16, Appl  
41 1219 96.7 451 2 US-08-887-352B-18 Sequence 18, Appl  
42 1219 96.7 451 3 US-08-466-151-65 Sequence 65, Appl  
43 1219 96.7 451 3 US-09-109-207C-14 Sequence 14, Appl  
44 1219 96.7 451 3 US-09-109-207C-16 Sequence 16, Appl  
45 1219 96.7 451 3 US-09-109-207C-18 Sequence 18, Appl

#### ALIGNMENTS

##### RESULT 1

US-08-595-043A-50  
; Sequence 50, Application US/08595043A  
; Patent No. 5935824  
; GENERAL INFORMATION:  
; APPLICANT: SGARLATO, GREGORY D.  
; TITLE OF INVENTION: PROTEIN EXPRESSION SYSTEM  
; NUMBER OF SEQUENCES: 90  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/595,043A  
; FILING DATE: 31-JAN-1996  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: SGAR-00371  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 50:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 232 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-595-043A-50

Query Match 97.2%; Score 1225; DB 2; Length 232;

Best Local Similarity 97.0%; Pred. No. 26-116;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

Db 1 EPKSCDKTHCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

QY 61 NMVVDGEVHNKTPREEQYNSTYRVVSVLTVLHQDNMNGKEYCKVSNKALPAPIEKT 120

Db 61 NMVVDGEVHNKTPREEQYNSTYRVVSVLTVLHQDNMNGKEYCKVSNKALPAPIEKT 120

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QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPP 180
Db 121 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPP 180
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVNHGHEALHNHYQOQSLSLSPGK 232
Db 181 PVLDSGDSFFLYSKLTVDKSRWQQGNVFCSCVNHGHEALHNHYQOQSLSLSPGK 232

RESULT 2
US-09-178-869-2
; Sequence 2, Application US/09178869B
; Patent No. 6197294
; GENERAL INFORMATION:
; APPLICANT: Tao, Weng
; APPLICANT: Wong, Shou
; APPLICANT: Hickey, William F
; APPLICANT: Hammar, Joseph P.
; APPLICANT: Baetge, E. Edward
; TITLE OF INVENTION: CELL SURFACE-INDUCED MACROPHAGE ACTIVATION
; FILE REFERENCE: 17810-043
; CURRENT APPLICATION NUMBER: US/09/178,869B
; CURRENT FILING DATE: 1998-10-26
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-178-869-2

Query Match 97.2%; Score 1225; DB 3; Length 331;
Best Local Similarity 97.0%; Pred. No. 3.4e-116;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCTCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
Db 100 EPKSCDKHTCTCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 159
QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWNGKEYCKVSNKALPAPIEKT 120
Db 160 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYCKVSNKALPAPIEKT 219
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPP 180
Db 220 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPP 279
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVNHGHEALHNHYQOQSLSLSPGK 232
Db 280 PVLDSGDSFFLYSKLTVDKSRWQQGNVFCSCVNHGHEALHNHYQOQSLSLSPGK 331

RESULT 3
US-09-180-100-11
; Sequence 11, Application US/09180100
; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 6306395i0
; APPLICANT: NAKAMURA, Shigekazu
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/180,100
; CURRENT FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JF97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 11
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-100-11

Query Match 97.2%; Score 1225; DB 4; Length 360;
Best Local Similarity 97.0%; Pred. No. 3.8e-116;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCTCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 60
Db 129 EPKSCDKHTCTCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKF 188
QY 61 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQNWNGKEYCKVSNKALPAPIEKT 120
Db 189 NWYVDGVEVHNKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYCKVSNKALPAPIEKT 248
QY 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPP 180
Db 249 ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPP 308
QY 181 PVLDSVGSFFLYSKLTVDKSRWQQGNVFCSCVNHGHEALHNHYQOQSLSLSPGK 232
Db 309 PVLDSGDSFFLYSKLTVDKSRWQQGNVFCSCVNHGHEALHNHYQOQSLSLSPGK 360

RESULT 5
US-08-236-311-7
; Sequence 7, Application US/08236311
; Patent No. 5565335
; GENERAL INFORMATION:
; APPLICANT: Capon, Daniel J.

```



APPLICANT: Gregory, Timothy J.  
TITLE OF INVENTION: Adheson Variants  
NUMBER OF SEQUENCES: 25  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/236,311  
FILING DATE: 02-MAY-1994  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/936190  
FILING DATE: 26-AUG-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/842777  
FILING DATE: 18-FEB-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/250785  
FILING DATE: 28-SEP-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/104329  
FILING DATE: 02-OCT-1987

ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 444PIC2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 371 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-236-311-7

Query Match 97.2%; Score 1225; DB 1; Length 371;  
Best Local Similarity 97.0%; Pred. No. 4e-116;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 140 EPKSCDKTHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 199  
QY 61 NWYVDGVEVHNKTKPREEQYNSTRYVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120  
DB 200 NWYVDGVEVHNKTKPREEQYNSTRYVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 259  
QY 121 ISKAKVQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180  
DB 260 ISKAKGQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 319  
QY 181 PVLDSDGSPFLYSLKLTVDKSRWQQGNVFCSCVMHEALHNNHYTQKLSLSLSPGK 232  
DB 320 PVLDSDGSPFLYSLKLTVDKSRWQQGNVFCSCVMHEALHNNHYTQKLSLSLSPGK 371

RESULT 6

US-08-457-918-7  
; Sequence 7, Application US/08457918  
; Patent No. 6117655  
; GENERAL INFORMATION:  
; APPLICANT: Capon, Daniel J.

APPLICANT: Gregory, Timothy J.  
TITLE OF INVENTION: Adheson Variants  
NUMBER OF SEQUENCES: 25  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/457,918  
FILING DATE: 1-JUN-1995  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/236311  
FILING DATE: 02-MAY-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/936190  
FILING DATE: 26-AUG-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/842777  
FILING DATE: 18-FEB-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/250785  
FILING DATE: 28-SEP-1988

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/104329  
FILING DATE: 02-OCT-1987  
ATTORNEY/AGENT INFORMATION:  
NAME: Kubinec, Jeffrey S.  
REGISTRATION NUMBER: 36,575  
REFERENCE/DOCKET NUMBER: P0444PIC3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-8228  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 371 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-457-918-7

Query Match 97.2%; Score 1225; DB 3; Length 371;  
Best Local Similarity 97.0%; Pred. No. 4e-116;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 140 EPKSCDKTHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 199  
QY 61 NWYVDGVEVHNKTKPREEQYNSTRYVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120  
DB 200 NWYVDGVEVHNKTKPREEQYNSTRYVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 259  
QY 121 ISKAKVQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180  
DB 260 ISKAKGQPREQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 319  
QY 181 PVLDSDGSPFLYSLKLTVDKSRWQQGNVFCSCVMHEALHNNHYTQKLSLSLSPGK 232  
DB 320 PVLDSDGSPFLYSLKLTVDKSRWQQGNVFCSCVMHEALHNNHYTQKLSLSLSPGK 371

RESULT 7

US-09-180-100-22  
; Sequence 22, Application US/09180100

```

; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 630639510
; APPLICANT: NAGATA, Shigekazu
; TITLE OF INVENTION: NOVEL FAS ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/180,100
; CURRENT FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JP97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 376
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-180-100-22

Query Match          97.2%; Score 1225; DB 4; Length 376;
Best Local Similarity 97.0%; Pred. No. 4e-116;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 145 EPKSCDKTHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 204
QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120
Db 205 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 264
QY 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180
Db 265 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 324
QY 181 PVLDSGSEFFLYSKLTVDKSRWQGNVFCSCVMHEALHNYHQORSLSLSPGK 232
Db 325 PVLDSGSEFFLYSKLTVDKSRWQGNVFCSCVMHEALHNYHQORSLSLSPGK 376

RESULT 8
US-08-784-512-3
; Sequence 3, Application US/08784512
; Patent No. 5872209
; GENERAL INFORMATION:
; APPLICANT: BARTNIK, Eckart
; APPLICANT: EIDENMUELLER, Bernd
; APPLICANT: BUETTNER, Frank
; APPLICANT: CATERSON, Bruce
; APPLICANT: HUGHES, Claire
; TITLE OF INVENTION: An artificial recombinant substrate (rAGG 1)
; TITLE OF INVENTION: and native aggrecan to study the proteolytic activity of
; TITLE OF INVENTION: "Aggrecanase" in cell culture systems
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: Suite 500, 3000 K Street, N.W.
; CITY: Washington, D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/784,512
; FILING DATE: 17-JAN-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 96100682.2
; FILING DATE: 18-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: GRANADOS, Patricia D.
; REGISTRATION NUMBER: 33,683

```

```

; REFERENCE/DOCKET NUMBER: 18748/311
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 396 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..396
; US-08-784-512-3

Query Match          97.2%; Score 1225; DB 2; Length 396;
Best Local Similarity 97.0%; Pred. No. 4.4e-116;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60
Db 165 EPKSCDKTHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 224
QY 61 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 120
Db 225 NWYVDGVEVHNVTKPREEQYNSTYRVSVLTVLHQNWMNGKEYCKVSNKALPAPIEKT 284
QY 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 180
Db 285 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP 344
QY 181 PVLDSGSEFFLYSKLTVDKSRWQGNVFCSCVMHEALHNYHQORSLSLSPGK 232
Db 345 PVLDSGSEFFLYSKLTVDKSRWQGNVFCSCVMHEALHNYHQORSLSLSPGK 396

RESULT 9
US-09-176-228-3
; Sequence 3, Application US/09176228
; Patent No. 6180334
; GENERAL INFORMATION:
; APPLICANT: BARTNIK, Eckart
; APPLICANT: EIDENMUELLER, Bernd
; APPLICANT: BUETTNER, Frank
; APPLICANT: CATERSON, Bruce
; APPLICANT: HUGHES, Claire
; TITLE OF INVENTION: An artificial recombinant substrate (rAGG 1)
; TITLE OF INVENTION: and native aggrecan to study the proteolytic activity of
; TITLE OF INVENTION: "Aggrecanase" in cell culture systems
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: Suite 500, 3000 K Street, N.W.
; CITY: Washington, D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/176,228
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/784,512
; FILING DATE: 17-JAN-1997
; APPLICATION NUMBER: EP 96100682.2
; FILING DATE: 18-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: GRANADOS, Patricia D.

```

[illegible]

PCT-US95-03866-14

Query Match 97.2%; Score 1225; DB 5; Length 424;  
 Best Local Similarity 97.0%; Pred. No. 4.8e-116;  
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
 |||||  
 DB 193 EPKSCDKTHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 252  
 |||||  
 QY 61 NWYVDGVEVHNKTKPREEQNSTYRVSVLTVLHQNWMNGKEYKCKVSNKALPAPIEKT 120  
 |||||  
 DB 253 NWYVDGVEVHNKTKPREEQNSTYRVSVLTVLHQNWMNGKEYKCKVSNKALPAPIEKT 312  
 |||||  
 QY 121 ISKAKVQPREPQVYTLPPSRDELTKQVSLTCLVKGFYPSDIAVEVESNGQPENNYKTT 180  
 |||||  
 DB 313 ISKAKVQPREPQVYTLPPSRDELTKQVSLTCLVKGFYPSDIAVEVESNGQPENNYKTT 372  
 |||||  
 QY 181 PVLDSVGSFFLYSKLITVDKSRWQGNVFCVSNVHEALHNHYTQKSLSLSPGK 232  
 |||||  
 DB 373 PVLDSVGSFFLYSKLITVDKSRWQGNVFCVSNVHEALHNHYTQKSLSLSPGK 424  
 |||||

## RESULT 12

PCT-US96-10043-11  
 ; Sequence 11, Application PC/TUS9610043  
 ; GENERAL INFORMATION:

; APPLICANT: The General Hospital Corporation  
 ; TITLE OF INVENTION: P-SELECTIN LIGANDS AND RELATED MOLECULES  
 ; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Fish & Richardson P.C.

; STREET: 225 Franklin Street  
 ; CITY: Boston

; STATE: MA

; COUNTRY: USA

; ZIP: 02210-2804

; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: PCT/US96/10043

; FILING DATE:

; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA: US 60/000,213

; APPLICATION NUMBER: 14-JUN-1995  
 ; FILING DATE: 14-JUN-1995

; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Lech, Karen F.

; REGISTRATION NUMBER:

; REFERENCE/DOCKET NUMBER: 00786/284001

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 617/542-5070

; TELEFAX: 617/542-8906

; TELEX: 200154

; INFORMATION FOR SEQ ID NO: 11:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 437 amino acids

; TYPE: amino acid

; STRANDEDNESS: not relevant

; TOPOLOGY: linear

; MOLECULE TYPE: protein

PCT-US96-10043-11

## Query Match

Best Local Similarity 97.2%; Score 1225; DB 5; Length 437;  
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

DB 206 EPKSCDKTHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 265  
 |||||  
 QY 61 NWYVDGVEVHNKTKPREEQNSTYRVSVLTVLHQNWMNGKEYKCKVSNKALPAPIEKT 120  
 |||||  
 DB 266 NWYVDGVEVHNKTKPREEQNSTYRVSVLTVLHQNWMNGKEYKCKVSNKALPAPIEKT 325  
 |||||  
 QY 121 ISKAKVQPREPQVYTLPPSRDELTKQVSLTCLVKGFYPSDIAVEVESNGQPENNYKTT 180  
 |||||  
 DB 326 ISKAKVQPREPQVYTLPPSRDELTKQVSLTCLVKGFYPSDIAVEVESNGQPENNYKTT 385  
 |||||  
 QY 181 PVLDSVGSFFLYSKLITVDKSRWQGNVFCVSNVHEALHNHYTQKSLSLSPGK 232  
 |||||  
 DB 386 PVLDSVGSFFLYSKLITVDKSRWQGNVFCVSNVHEALHNHYTQKSLSLSPGK 437  
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## RESULT 13

US-08-472-888A-7  
 ; Sequence 7, Application US/08472888A

; Patent No. 6613746

; GENERAL INFORMATION:

; APPLICANT: Seed, Brian

; APPLICANT: Walz, Gerd

; TITLE OF INVENTION: AGP-ANTIBODY FUSION PROTEINS

; TITLE OF INVENTION: AND RELATED MOLECULES AND METHODS

; NUMBER OF SEQUENCES: 9

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Clark & Elbing LLP

; STREET: 176 Federal Street

; CITY: Boston

; STATE: MA

; COUNTRY: USA

; ZIP: 02110

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/472,888A

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/618,314

; FILING DATE: 23-NOV-1990

; ATTORNEY/AGENT INFORMATION:

; NAME: Elbing, Karen L

; REGISTRATION NUMBER: 35,238

; REFERENCE/DOCKET NUMBER: 00786/258001

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 617-428-0200

; TELEFAX: 617-428-7045

; TELEX:

; INFORMATION FOR SEQ ID NO: 7:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 442 amino acids

; TYPE: amino acid

; STRANDEDNESS: unknown

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-472-888A-7

## Query Match

Best Local Similarity 97.2%; Score 1225; DB 4; Length 442;  
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKTHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60

DB 211 EPKSCDKTHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 270

QY 61 NWYVDGVEVHNKTKPREEQNSTYRVSVLTVLHQNWMNGKEYKCKVSNKALPAPIEKT 120

DB 271 NWYVDGVEVHNKTKPREEQNSTYRVSVLTVLHQNWMNGKEYKCKVSNKALPAPIEKT 330

QY 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGYPSDIAVEWESNGQPNKYKTP 180  
DB 331 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGYPSDIAVEWESNGQPNKYKTP 390  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTKQSLSPGK 232  
DB 391 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTKQSLSPGK 442

## RESULT 14

PCT-US96-10043-9  
; Sequence 9, Application PC/TUS9610043  
; GENERAL INFORMATION:  
; APPLICANT: The General Hospital Corporation  
; TITLE OF INVENTION: P-SELECTIN LIGANDS AND RELATED MOLECULES  
; TITLE OF INVENTION: AND METHODS  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02210-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US96/10043  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/000,213  
; FILING DATE: 14-JUN-1995  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lech, Karen F.  
; REGISTRATION NUMBER:  
; REFERENCE/DOCKET NUMBER: 00786/284001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617/542-5070  
; TELEFAX: 617/542-8906  
; TELEX: 200154  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 442 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
PCT-US96-10043-9

Query Match 97.2%; Score 1225; DB 5; Length 442;  
Best Local Similarity 97.0%; Pred. No. 5.1e-116;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
QY 1 EPKSCDKTHCTCPPELGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 211 EPKSCDKTHCTCPPELGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 270  
QY 61 NWYVDGVEVHNKTPREEQYNSTRVSVLTVLHQNMNGKEYCKVSNKALPAPIET 120  
DB 271 NWYVDGVEVHNKTPREEQYNSTRVSVLTVLHQNMNGKEYCKVSNKALPAPIET 330  
QY 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGYPSDIAVEWESNGQPNKYKTP 180  
DB 331 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGYPSDIAVEWESNGQPNKYKTP 390  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTKQSLSPGK 232

DB 391 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTKQSLSPGK 442

## RESULT 15

US-08-397-411-7  
; Sequence 7, Application US/08397411  
; Patent No. 6129914  
; GENERAL INFORMATION:  
; APPLICANT: Weiner, George  
; APPLICANT: Gingrich, Roger  
; APPLICANT: Link, Brian  
; APPLICANT: Tso, J. Yun  
; TITLE OF INVENTION: Bispecific Antibody Effective to Treat  
; TITLE OF INVENTION: B-Cell Lymphoma and Cell Line  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew  
; STREET: One Market Plaza, Steuart Tower, Suite 2000  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94105  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/397,411  
; FILING DATE: 01-MAR-1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/859,593  
; FILING DATE: 27-MAR-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Smith, William M.  
; REGISTRATION NUMBER: 30,223  
; REFERENCE/DOCKET NUMBER: 011823-004901  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-328-2400  
; TELEFAX: 415-326-2422  
; INFORMATION FOR SEQ ID NO: 7:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 446 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-397-411-7

Query Match 97.2%; Score 1225; DB 3; Length 446;  
Best Local Similarity 97.0%; Pred. No. 5.2e-116;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
QY 1 EPKSCDKTHCTCPPELGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 60  
DB 215 EPKSCDKTHCTCPPELGGPSVFLPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF 274  
QY 61 NWYVDGVEVHNKTPREEQYNSTRVSVLTVLHQNMNGKEYCKVSNKALPAPIET 120  
DB 275 NWYVDGVEVHNKTPREEQYNSTRVSVLTVLHQNMNGKEYCKVSNKALPAPIET 334  
QY 121 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGYPSDIAVEWESNGQPNKYKTP 180  
DB 335 ISKAKQPREPQVYTLPPSRDELTKNOVSLTCLVKGYPSDIAVEWESNGQPNKYKTP 394  
QY 181 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTKQSLSPGK 232  
DB 395 PVLDSVGSFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTKQSLSPGK 446

Search completed: August 18, 2004, 01:00:25  
Job time : 9.31311 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: August 18, 2004, 00:56:48 ; Search time 12.8457 Seconds  
(without alignments)  
1286.060 Million cell updates/sec

Title: US-09-847-208B-6  
Perfect score: 1707  
Sequence: 1 FPPPTVKILQSCDGGGHP.....HEAASQTVQRAVSNVPGK 320

Scoring table: BLOSUM62  
Gapex 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/ptodata/2/iaa/5A\_COMB.pep:\*  
2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep:\*  
3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pep:\*  
4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep:\*  
5: /cgn2\_6/ptodata/2/iaa/PTUS\_COMB.pep:\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	956.5	56.0	426	1	US-08-336-583-2
2	956.5	56.0	426	5	PCT-US95-13795-2
3	949.5	55.6	431	4	US-08-479-614-14
4	949.5	55.6	496	4	US-08-479-614-2
5	949.5	55.6	496	4	US-08-479-614-29
6	678.5	39.7	561	3	US-08-192-545-2
7	597	35.0	113	2	US-08-232-539D-56
8	587	34.4	110	1	US-08-399-106A-6
9	587	34.4	110	1	US-08-433-105A-6
10	587	34.4	110	2	US-08-434-869A-6
11	581	34.0	109	1	US-08-037-579A-2
12	581	34.0	109	3	US-08-601-184-2
13	566.5	33.2	109	4	US-08-466-163B-1
14	566.5	33.2	109	4	US-08-802-096-1
15	556	32.6	106	2	US-08-232-539D-54
16	526	30.8	119	2	US-08-484-025A-1
17	508.5	29.8	118	3	US-08-466-151-1
18	481.5	28.2	334	2	US-08-646-981-16
19	455.5	26.7	333	1	US-08-034-253-6
20	455.5	26.7	333	1	US-08-024-253-6
21	453	26.5	331	2	US-08-646-981-17
22	425	24.9	451	4	US-09-472-087-70
23	424	24.8	599	1	US-08-442-542-18
24	424	24.8	599	3	US-08-765-469-18
25	423.5	24.8	463	4	US-09-472-087-1
26	423.5	24.8	463	4	US-09-472-087-63
27	422	24.7	450	2	US-08-788-800-12

28	422	24.7	469	2	US-07-934-373C-23	Sequence 23, Appl
29	422	24.7	469	3	US-08-437-642B-23	Sequence 23, Appl
30	422	24.7	469	4	US-08-146-206C-23	Sequence 23, Appl
31	422	24.7	469	4	US-09-705-686-23	Sequence 23, Appl
32	420	24.6	463	4	US-09-472-087-4	Sequence 4, Appl
33	420	24.6	463	4	US-09-472-087-68	Sequence 68, Appl
34	420	24.6	464	4	US-09-472-087-2	Sequence 2, Appl
35	420	24.6	464	4	US-09-472-087-66	Sequence 66, Appl
36	417.5	24.5	463	4	US-09-472-087-64	Sequence 64, Appl
37	416.5	24.4	320	2	US-08-579-940-8	Sequence 8, Appl
38	416	24.4	530	3	US-08-477-460B-4	Sequence 4, Appl
39	416	24.4	530	3	US-08-379-518-4	Sequence 4, Appl
40	416	24.4	530	3	US-09-329-918-4	Sequence 4, Appl
41	416	24.4	530	3	US-08-485-372A-4	Sequence 4, Appl
42	416	24.4	530	4	US-09-409-006A-4	Sequence 4, Appl
43	416	24.4	530	4	US-08-484-681-4	Sequence 4, Appl
44	416	24.4	530	5	PCT-US93-07422-4	Sequence 4, Appl
45	414	24.3	445	1	US-08-353-400-33	Sequence 33, Appl

ALIGNMENTS

RESULT 1  
US-08-336-583-2  
; Sequence 2, Application US/08336583  
; Patent No. 5629415  
; GENERAL INFORMATION:  
; APPLICANT: HOLLIS, GREGORY F.  
; APPLICANT: PATEL, MAYUR D.  
; TITLE OF INVENTION: DNA ENCODING CANINE IMMUNOGLOBULIN E  
; NUMBER OF SEQUENCES: 2  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CHRISTINE E. CARTY  
; STREET: 126 E. LINCOLN AVENUE  
; CITY: RAHWAY  
; STATE: NEW JERSEY  
; COUNTRY: USA  
; ZIP: 07065-0900  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/336,583  
; FILING DATE: 09-NOV-1994  
; CLASSIFICATION: 424  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARTY, CHRISTINE E.  
; REGISTRATION NUMBER: 36,099  
; REFERENCE/DOCKET NUMBER: 19211  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (908) 594-6734  
; TELEFAX: (908) 594-4720  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 426 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-336-583-2

Query Match 56.0%; Score 956.5; DB 1; Length 426;  
Best Local Similarity 56.2%; Pred. No. 8.3e-84;  
Matches 182; Conservative 50; Mismatches 87; Indels 5; Gaps 4;  
QY 1 FPPPTVKILQSCDGGGHPPTIQLCLVSGVTPGTINITWLEDGQ-VMDVLSASTQ 59  
Db 104 FPPPTVKLFHSSCNVPVGDTHHTIQLCLISGYVPGDMEVILVDGQKATNIPPYAPGK 163  
QY 60 EGGLESTQSELITLSQKHLSDRTYTCQVYQGHFTEDSTKCCADSNPRGVSAYLSRSPFF 119

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Db 164 EGNVTSTHSELNITQGEWVSQKTYTCQVYQGTTFKDEARKCSESDPRGVTSYLSPSPPL 223
QY 120 DLFIKSPITICLVVDLAPSKGTVNLTSRAGKPVNHSRKBQRNGTLTSTLPGV 179
Db 224 DLVYHKAPKITCLVVDLATWEG-MNLTWYRESKEPVNPGPLNKKDHFNGTITVTSLP 282
QY 180 TRDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATP-EWPGSRDKRTLACL 238
Db 283 TNDWIEGETYTCRVTHPHLPKDIVRSIAKAPGKRAPPDVYLFPPPEEQGTDRVTTLCL 342
QY 239 IQNMPEDISVQMLHNEVOLPDARHSTTQPRKTGS--GFFVFSRLEVTRAWEQKDEFI 296
Db 343 IQNFFPADISVQWLNRDNDSPITQDTYTTGPHKVSGRPAFFIFSRLEVSRLVSRVDEQK 402
QY 297 CRAVHEAASPSQTVQRAVSVNPGK 320
Db 403 CQVHEALSGSRILQKWSKTPCK 426

RESULT 2
PCT-US95-13795-2
; Sequence 2, Application PC/TUS9513795
; GENERAL INFORMATION:
; APPLICANT: HOLLIS, GREGORY F.
; APPLICANT: PATEL, MAYUR D.
; TITLE OF INVENTION: DNA ENCODING CANINE IMMUNOGLOBULINS
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CHRISTINE E. CARTY
; STREET: 126 E. LINCOLN AVENUE, P.O. BOX 2000
; CITY: RAHWAY
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07065-0907
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PC-DOS/MS-DOS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/13795
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: CARTY, CHRISTINE E.
; REGISTRATION NUMBER: 36,099
; REFERENCE/DOCKET NUMBER: 19211Y
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-6734
; TELEFAX: (908) 594-4720
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 426 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-13795-2

Query Match 56.0%; Score 956.5; DB 5; Length 426;
Best Local Similarity 56.2%; Pred. No. 8.3e-84;
Matches 182; Conservative 50; Mismatches 87; Indels 5; Gaps 4;

QY 1 FTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDGQ-VMDVDLSTASTTQ 59
Db 104 FIPTVKLPHSSCNPCVGDTHITQLCLISGYVPGDMEVTLWDGQKATNIPFYTAGPK 163
QY 60 EGGLESTQSELTLSQKHWSLDRTYTCQVYQGTTFEDSTKCKADSNPRGVSAYLSRPSF 119
Db 164 EGNVTSTHSELNITQGEWVSQKTYTCQVYQGTTFKDEARKCSESDPRGVTSYLSPSP 223
QY 120 DLFIKSPITICLVVDLAPSKGTVNLTSRAGKPVNHSRKBQRNGTLTSTLPGV 179

PCT-US95-13795-2

Query Match 56.0%; Score 956.5; DB 5; Length 426;
Best Local Similarity 56.2%; Pred. No. 8.3e-84;
Matches 182; Conservative 50; Mismatches 87; Indels 5; Gaps 4;

QY 1 FTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDGQ-VMDVDLSTASTTQ 59
Db 104 FIPTVKLPHSSCNPCVGDTHITQLCLISGYVPGDMEVTLWDGQKATNIPFYTAGPK 163
QY 60 EGGLESTQSELTLSQKHWSLDRTYTCQVYQGTTFEDSTKCKADSNPRGVSAYLSRPSF 119
Db 164 EGNVTSTHSELNITQGEWVSQKTYTCQVYQGTTFKDEARKCSESDPRGVTSYLSPSP 223
QY 120 DLFIKSPITICLVVDLAPSKGTVNLTSRAGKPVNHSRKBQRNGTLTSTLPGV 179

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Db 224 DLVYHKAPKITCLVVDLATWEG-MNLTWYRESKEPVNPGPLNKKDHFNGTITVTSLP 282
QY 180 TRDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATP-EWPGSRDKRTLACL 238
Db 283 TNDWIEGETYTCRVTHPHLPKDIVRSIAKAPGKRAPPDVYLFPPPEEQGTDRVTTLCL 342
QY 239 IQNMPEDISVQMLHNEVOLPDARHSTTQPRKTGS--GFFVFSRLEVTRAWEQKDEFI 296
Db 343 IQNFFPADISVQWLNRDNDSPITQDTYTTGPHKVSGRPAFFIFSRLEVSRLVSRVDEQK 402
QY 297 CRAVHEAASPSQTVQRAVSVNPGK 320
Db 403 CQVHEALSGSRILQKWSKTPCK 426

RESULT 3
US-09-479-614-14
; Sequence 14, Application US/09479614
; Patent No. 6573372
; GENERAL INFORMATION:
; APPLICANT: McCall, Catherine
; APPLICANT: Weber, Eric
; TITLE OF INVENTION: Feline Immunoglobulin E Molecules and Related Methods
; FILE REFERENCE: P-1047
; CURRENT APPLICATION NUMBER: US/09/479,614
; CURRENT FILING DATE: 2000-01-07
; EARLIER APPLICATION NUMBER: 60/115,033
; EARLIER FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 14
; LENGTH: 431
; TYPE: PRT
; ORGANISM: Felis catus
US-09-479-614-14

Query Match 55.6%; Score 949.5; DB 4; Length 431;
Best Local Similarity 56.5%; Pred. No. 4e-83;
Matches 183; Conservative 46; Mismatches 90; Indels 5; Gaps 4;

QY 1 FTPTVKILQSSCDGGHFPPTIQLCLVSGYTPGTINITWLEDGQ-VMDVDLSTASTTQ 59
Db 109 FIPTVKLPHSSCNPLDGTGTIQLCLISGYVPGDMEVTLWDGQKATNIPFYTAGPK 168
QY 60 EGGLESTQSELTLSQKHWSLDRTYTCQVYQGTTFEDSTKCKADSNPRGVSAYLSRPSF 119
Db 169 EGKVTSTHSELNITQGEWVSQKTYTCQVYQGTTFEDHARKCTESDPRGVSAYLSRPS 228
QY 120 DLFIKSPITICLVVDLAPSKGTVNLTSRAGKPVNHSRKBQRNGTLTSTLPGV 179
Db 229 DLVYHKSPKITCLVVDLANTDGM-LTWSRENGESVHPDPMVKKTQNGTITVTSLPVD 287
QY 180 TRDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVYAFATPEW-PGSRDKRTLACL 238
Db 288 ATDWIEGETYQCKVTHPDLPKDIVRSIAKAPGRFRFPEVYVFLPPEGEPTKDKVILTCL 347
QY 239 IQNMPEDISVQMLHNEVOLPDARHSTTQPRKTGS--GFFVFSRLEVTRAWEQKDEFI 296
Db 348 IQNFFPADISVQWLNRDNDSPVTEQATTPHKTGSPAFFVFSRLEVSRVDEQKRVFT 407
QY 297 CRAVHEAASPSQTVQRAVSVNPGK 320
Db 408 CQVHEALPGFRTLKKSXKNPGK 431

RESULT 4
US-09-479-614-2
; Sequence 2, Application US/09479614
; Patent No. 6573372
; GENERAL INFORMATION:
; APPLICANT: McCall, Catherine
; APPLICANT: Weber, Eric

```



;; TITLE OF INVENTION: Feline Immunoglobulin E Molecules and Related Methods  
;; FILE REFERENCE: P-1047  
;; CURRENT APPLICATION NUMBER: US/09/479,614  
;; CURRENT FILING DATE: 2000-01-07  
;; EARLIER APPLICATION NUMBER: 60/115,033  
;; EARLIER FILING DATE: 1999-01-07  
;; NUMBER OF SEQ ID NOS: 34  
;; SOFTWARE: PatentIn Ver. 2.0  
;; SEQ ID NO 2  
;; LENGTH: 496  
;; TYPE: PRT  
;; ORGANISM: Felis catus  
US-09-479-614-2

Query Match 55.6%; Score 949.5; DB 4; Length 496;  
Best Local Similarity 56.5%; Pred. No. 4.9e-83;  
Matches 183; Conservative 46; Mismatches 90; Indels 5; Gaps 4;  
QY 1 FTPPTVKILQSSCDGGHFPPTIQLCLVSGYTGTTINITWLEDGQ-VMDVDLSTATTQ 59  
DB 174 FIPPTVKLFHSSCNPLGDTGSTIQLCLISGVPGDMEVTLVDGQKATNIFPYTAPGKQ 233  
QY 60 EGEASTQSELTLSQKHWLSDRITYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSRSPFF 119  
DB 234 EKVTSHTSELNITQGEWVSQKTYTCQVYQGFTEFHARKCTESDPRGVSTYLSPPSPL 293  
QY 120 DLFIKSPITICLVVDLAPSKGTWNLTWSRASKPVNHSRKEEKQKNGTLTWTSLPVG 179  
DB 294 DLYVHKSPKITCLVVDLANTDGMT-LTWSRENGESVHPDPMVKTKYNGTITVTSLPVD 352  
QY 180 TRDWIEGETYQCRVTHPLPALMRSTTKSGPRAAPEVYAFATPEW-PGSRDKRTLACL 238  
DB 353 ATDWVEGETYQCKVTHDPLPKDIVRSIAKAPGRFPPEVYVFLPPEGEPTKDKVILTCL 412  
QY 239 IONFMPEDISVQWLNHNEVQLPDARHSTTOPRKTG--SGFFVFSRLVETRAEWEQKDEFI 296  
DB 413 IONFPPDISVQWLNHNSPVRTQOATWPHKATGSPAFFVFSRLEVSRADEQORDVFT 472  
QY 297 CRAVHEAASPQTVQRAVSNVPGK 320  
DB 473 CQVHEALPGFRTLKKSVMKPGK 496

RESULT 5  
US-09-479-614-29  
; Sequence 29, Application US/09479614  
; Patent No. 6573372  
; GENERAL INFORMATION:  
; APPLICANT: McCall, Catherine  
; APPLICANT: Weber, Eric  
; TITLE OF INVENTION: Feline Immunoglobulin E Molecules and Related Methods  
; FILE REFERENCE: P-1047  
; CURRENT APPLICATION NUMBER: US/09/479,614  
; CURRENT FILING DATE: 2000-01-07  
; EARLIER APPLICATION NUMBER: 60/115,033  
; EARLIER FILING DATE: 1999-01-07  
; NUMBER OF SEQ ID NOS: 34  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 29  
; LENGTH: 496  
; TYPE: PRT  
; ORGANISM: Felis catus  
US-09-479-614-29

Query Match 55.6%; Score 949.5; DB 4; Length 496;  
Best Local Similarity 56.5%; Pred. No. 4.9e-83;  
Matches 183; Conservative 46; Mismatches 90; Indels 5; Gaps 4;  
QY 1 FTPPTVKILQSSCDGGHFPPTIQLCLVSGYTGTTINITWLEDGQ-VMDVDLSTATTQ 59  
DB 174 FIPPTVKLFHSSCNPLGDTGSTIQLCLISGVPGDMEVTLVDGQKATNIFPYTAPGKQ 233  
QY 60 EGEASTQSELTLSQKHWLSDRITYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSRSPFF 119

DB 234 EKVTSHTSELNITQGEWVSQKTYTCQVYQGFTEFHARKCTESDPRGVSTYLSPPSPL 293  
QY 120 DLFIKSPITICLVVDLAPSKGTWNLTWSRASKPVNHSRKEEKQKNGTLTWTSLPVG 179  
DB 294 DLYVHKSPKITCLVVDLANTDGMT-LTWSRENGESVHPDPMVKTKYNGTITVTSLPVD 352  
QY 180 TRDWIEGETYQCRVTHPLPALMRSTTKSGPRAAPEVYAFATPEW-PGSRDKRTLACL 238  
DB 353 ATDWVEGETYQCKVTHDPLPKDIVRSIAKAPGRFPPEVYVFLPPEGEPTKDKVILTCL 412  
QY 239 IONFMPEDISVQWLNHNEVQLPDARHSTTOPRKTG--SGFFVFSRLVETRAEWEQKDEFI 296  
DB 413 IONFPPDISVQWLNHNSPVRTQOATWPHKATGSPAFFVFSRLEVSRADEQORDVFT 472  
QY 297 CRAVHEAASPQTVQRAVSNVPGK 320  
DB 473 CQVHEALPGFRTLKKSVMKPGK 496  
RESULT 6  
US-09-192-545-2  
; Sequence 2, Application US/09192545  
; Patent No. 6118044  
; GENERAL INFORMATION:  
; APPLICANT: Karasuyama, Hajime  
; APPLICANT: Ionekawa, Hiromichi  
; APPLICANT: Taya, Choji  
; APPLICANT: Matsuka, Kunie  
; TITLE OF INVENTION: Transgenic Animal Allergy Models and Methods for Their Use  
; FILE REFERENCE: 79979570  
; CURRENT APPLICATION NUMBER: US/09/192,545  
; CURRENT FILING DATE: 1998-11-13  
; EARLIER APPLICATION NUMBER: JP HEI 9-313989  
; EARLIER FILING DATE: 1997-11-14  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 561  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE: Description of Artificial Sequence: Designed heavy  
US-09-192-545-2

Query Match 39.7%; Score 678.5; DB 3; Length 561;  
Best Local Similarity 43.7%; Pred. No. 7.6e-57;  
Matches 136; Conservative 56; Mismatches 112; Indels 7; Gaps 6;  
QY 13 CDGGHFPPTIQLCLVSGYTGTTINITWL-EDGQVMDVDLSTATTQEGELASTQSELT 71  
DB 247 CDPNA-FHSTIQLYCFIYGHILNDVSVSWLMDREITDTLAQTVLKEEGKLASTCSKLN 305  
QY 72 LSQKHWLSDRITYTCQVYQGHTEFEDSTKCCADSNPRGVSAYLSRSPDLFRKSPITTC 131  
DB 306 ITEQOMSESTFTCRVTSQGVLDLAHRRCPDEPRGAIITYLIPSLDLYQNGAPKLTC 365  
QY 132 LVVDLAPSKGTWNLTWSRASKPVNHSRKEEKQKNGTLTWTSLPVGTRDWIEGETYQ 191  
DB 366 LVVDLESEK-NVNVTWQEKTSVGSQWYTKHNNATSIITSLPVVAKOWIEGVGYQC 424  
QY 192 RVTHPLPALMRSTTKTS-GPRAAPEVYAFATPEWPGSRDKRTLACLIONFMPEDISVQ 250  
DB 425 VVDFDPFPPIVRSITLPOVSQSAPEVYVFPPE-EESEDKRTLTCLIQNFPEPDISVQ 483  
QY 251 WLHNEVQLPDARHSTTOPRKTG--GPFVFSRLVETRAEWEQKDEFI CRAVHEAASPQ 308  
DB 484 WLGDGLKLSNSHSTTTPKLSNGSNQGFIFSRLEVAKTWTQKQFTCOVTHEALQKPR 543  
QY 309 TVQRAVSNVPG 319  
DB 544 KLEKTISTSLG 554

```

RESULT 7
US-08-232-539D-56
; Sequence 56, Application US/08232539D
; Patent No. 5965709
; GENERAL INFORMATION:
; APPLICANT: Presta, Leonard G.
; APPLICANT: Jardieu, Paula M.
; TITLE OF INVENTION: IGE Antagonists
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,539D
; FILING DATE: 21-Apr-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/178583
; FILING DATE: 07-JAN-1994
; PRIOR APPLICATION DATA: 07/744768
; FILING DATE: 14-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Svoboda, Craig G.
; REGISTRATION NUMBER: 39,044
; REFERENCE/DOCKET NUMBER: P0718P3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1489
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 113 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; US-08-232-539D-56

Query Match 35.0%; Score 597; DB 2; Length 113;
Best Local Similarity 100.0%; Pred. No. 5.1e-50;
Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 101 CADSNRGSAYLSRSPFDLFRKSPITCLVVDLAPSKGTVNLTWASAGKPNHSTR 160
Db 1 CADSNRGSAYLSRSPFDLFRKSPITCLVVDLAPSKGTVNLTWASAGKPNHSTR 60

Qy 161 KEKQRNGTLTVSTLPVGRDWEGETYQCRVTHPLPALMRSTTKTSGP 212
Db 61 KEKQRNGTLTVSTLPVGRDWEGETYQCRVTHPLPALMRSTTKTSGP 112

RESULT 8
US-08-399-106A-6
; Sequence 6, Application US/08399106A
; Patent No. 5731168
; GENERAL INFORMATION:
; APPLICANT: Carter, Paul J.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Ridgway, John B.
; TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC
; POLYPEPTIDES
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco

```

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; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/399,106A
; FILING DATE: 01-Mar-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 00,000
; REFERENCE/DOCKET NUMBER: P0927
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 110 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; US-08-399-106A-6

Query Match 34.4%; Score 587; DB 1; Length 110;
Best Local Similarity 100.0%; Pred. No. 4.5e-49;
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 211 GPRAAPEVYAFATPEWPGSRDKETLACLIONFMPEDISVQWLHNEVQLDPDARHSTTPRK 270
Db 1 GPRAAPEVYAFATPEWPGSRDKETLACLIONFMPEDISVQWLHNEVQLDPDARHSTTPRK 60

Qy 271 TKSGRPFVSRLEVTAEWEQKDEFICRAVHEAASPSQTVQRAVSVNPGK 320
Db 61 TKSGRPFVSRLEVTAEWEQKDEFICRAVHEAASPSQTVQRAVSVNPGK 110

RESULT 9
US-08-433-105A-6
; Sequence 6, Application US/08433105A
; Patent No. 5807706
; GENERAL INFORMATION:
; APPLICANT: Carter, Paul J.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Ridgway, John B.
; TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC POLYPEPTIDES
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/433,105A
; FILING DATE: 03-May-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/399106
; FILING DATE: 01-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 00,000
; REFERENCE/DOCKET NUMBER: P0927D2

```

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1994  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 110 amino acids  
TYPE: Amino Acid  
TOPOLOGY: Linear  
US-08-433-105A-6

Query Match 34.4%; Score 587; DB 1; Length 110;  
Best Local Similarity 100.0%; Pred. No. 4.5e-49;  
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 211 GPRAAPEVYAFATPEWPGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRK 270

Db 1 GPRAAPEVYAFATPEWPGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRK 60

QY 271 TKSGFFVFSRLEVTAEWEQKDEFICRAVHEAASPSQTVQRAVSVNPGK 320

Db 61 TKSGFFVFSRLEVTAEWEQKDEFICRAVHEAASPSQTVQRAVSVNPGK 110

RESULT 10

US-08-434-869A-6

Sequence 6, Application US/08434869A

Patent No. 5821333

GENERAL INFORMATION:

APPLICANT: Carter, Paul J.

APPLICANT: Presta, Leonard G.

APPLICANT: Rigway, John B.

TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC POLYPEPTIDES

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/434,869A

FILING DATE: 03-May-1995

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/399106

FILING DATE: 01-MAR-1995

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 00,000

REFERENCE/DOCKET NUMBER: P0927D1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1994

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 110 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-434-869A-6

Query Match 34.4%; Score 587; DB 2; Length 110;  
Best Local Similarity 100.0%; Pred. No. 4.5e-49;  
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 211 GPRAAPEVYAFATPEWPGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRK 270

Db 1 GPRAAPEVYAFATPEWPGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRK 60

QY 271 TKSGFFVFSRLEVTAEWEQKDEFICRAVHEAASPSQTVQRAVSVNPGK 320

Db 61 TKSGFFVFSRLEVTAEWEQKDEFICRAVHEAASPSQTVQRAVSVNPGK 110

RESULT 11

US-08-037-579A-2

Sequence 2, Application US/08037579A

Patent No. 5552537

GENERAL INFORMATION:

APPLICANT: Zhang, Ke

APPLICANT: Max, Edward E

APPLICANT: Saxon, Andrew

TITLE OF INVENTION: IGE ISOFORMS AND METHODS OF USE

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS:

ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT

STREET: 4 Embarcadero Center, Suite 3400

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-4187

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/037,579A

FILING DATE: 24-MAR-1993

CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:

NAME: Rowland, Bertram I

REGISTRATION NUMBER: 20,015

REFERENCE/DOCKET NUMBER: A-57950/BIR UCLA-233

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 781-1989

TELEFAX: (415) 398-3249

TELEX: 910 277299 FHT UR

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 109 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: Protein

US-08-037-579A-2

Query Match 34.0%; Score 581; DB 1; Length 109;  
Best Local Similarity 100.0%; Pred. No. 1.7e-48;  
Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 PRAAPEVYAFATPEWPGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRK 271

Db 1 PRAAPEVYAFATPEWPGSRDKRTLACLIQNFPEPDISVQWLHNEVQLPDARHSTTQPRK 60

QY 272 KSGGFFVFSRLEVTAEWEQKDEFICRAVHEAASPSQTVQRAVSVNPGK 320

Db 61 KSGGFFVFSRLEVTAEWEQKDEFICRAVHEAASPSQTVQRAVSVNPGK 109

RESULT 12

US-08-601-184-2

Sequence 2, Application US/08601184

Patent No. 6043345

GENERAL INFORMATION:

APPLICANT: Zhang, Ke

APPLICANT: Max, Edward E

APPLICANT: Saxon, Andrew

TITLE OF INVENTION: IGE ISOFORMS AND METHODS OF USE

NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT  
 ; STREET: 4 Embarcadero Center, Suite 3400  
 ; CITY: San Francisco  
 ; STATE: California  
 ; COUNTRY: USA  
 ; ZIP: 941114187  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC DOS/MSDOS  
 ; SOFTWARE: Patent Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/601,184  
 ; FILING DATE:  
 ; CLASSIFICATION: 530  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Sherwood, Pamela J.  
 ; REGISTRATION NUMBER: 36,677  
 ; REFERENCE/DOCKET NUMBER: A-57950-1/PJS UCLA233-1  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (415) 494-8700  
 ; TELEFAX: (415) 494-8771  
 ; TELEX: 910 277299 FHT UR  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 109 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-601-184-2

Query Match 34.0%; Score 581; DB 3; Length 109;  
 Best Local Similarity 100.0%; Pred. No. 1.7e-48;  
 Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 212 PRAAPEVYAFATPEWPGSRDKRTLACLIONFEPEDISVQWLHNEVQLDPARHSTTQPKRT 271  
 Db 1 PRAAPEVYAFATPEWPGSRDKRTLACLIONFEPEDISVQWLHNEVQLDPARHSTTQPKRT 60  
 QY 272 KSGGFFVFSRLVTRAEWQKDEFFICRAVHEAASPSQTVQRAVSVPNGK 320  
 Db 61 KSGGFFVFSRLVTRAEWQKDEFFICRAVHEAASPSQTVQRAVSVPNGK 109

RESULT 13  
 US-08-466-163B-1  
 ; Sequence 1, Application US/08466163B  
 ; Patent No. 6329509  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Presta, Leonard G.  
 ; TITLE OF INVENTION: Immunoglobulin Variants  
 ; FILE REFERENCE: P071892C1D1  
 ; CURRENT APPLICATION NUMBER: US/08/466,163B  
 ; CURRENT FILING DATE: 1995-06-06  
 ; PRIOR APPLICATION NUMBER: US 08/405,617  
 ; PRIOR FILING DATE: 1995-03-15  
 ; PRIOR APPLICATION NUMBER: US 08/185,899  
 ; PRIOR FILING DATE: 1994-01-26  
 ; PRIOR APPLICATION NUMBER: US 07/879,495  
 ; PRIOR FILING DATE: 1992-05-07  
 ; PRIOR APPLICATION NUMBER: US 07/744,768  
 ; PRIOR FILING DATE: 1991-08-14  
 ; NUMBER OF SEQ ID NOS: 64  
 ; SEQ ID NO 1  
 ; LENGTH: 109  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-08-466-163B-1  
 Query Match 33.2%; Score 566.5; DB 4; Length 109;  
 Best Local Similarity 99.1%; Pred. No. 4.2e-47;

Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;  
 QY 103 DSNPRGVSAVLSRSPFDLFIKSPITICLVVDLAPSKGTNLWTSRASKPVNHSRKE 162  
 Db 1 DSNPRGVSAVLSRSPFDLFIKSPITICLVVDLAPSKGTNLWTSRASKPVNHSRKE 60  
 QY 163 EKORNGTLVTSTLPGVTRDWIEGETVQCRVTHPHLPRALMRSTTKTSGP 212  
 Db 61 EKORNGTLVTSTLPGVTRDWIEGETVQCRVTHPHLPRALMRSTTKTSGP 109

RESULT 14  
 US-09-802-096-1  
 ; Sequence 1, Application US/09802096  
 ; Patent No. 6685939  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Jardieu, Paula M.  
 ; TITLE OF INVENTION: Method of Preventing the Onset of Allergic Disorders (as amended)  
 ; FILE REFERENCE: P0718P2C3US  
 ; CURRENT APPLICATION NUMBER: US/09/802,096  
 ; CURRENT FILING DATE: 2001-03-08  
 ; PRIOR APPLICATION NUMBER: US 08/405,617  
 ; PRIOR FILING DATE: 1995-03-15  
 ; PRIOR APPLICATION NUMBER: US 08/185,899  
 ; PRIOR FILING DATE: 1994-01-26  
 ; PRIOR APPLICATION NUMBER: PCT/US92/06860  
 ; PRIOR FILING DATE: 1992-08-14  
 ; PRIOR APPLICATION NUMBER: US 07/879,495  
 ; PRIOR FILING DATE: 1992-05-07  
 ; PRIOR APPLICATION NUMBER: US 07/744,768  
 ; PRIOR FILING DATE: 1991-08-14  
 ; NUMBER OF SEQ ID NOS: 64  
 ; SEQ ID NO 1  
 ; LENGTH: 109  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-802-096-1

Query Match 33.2%; Score 566.5; DB 4; Length 109;  
 Best Local Similarity 99.1%; Pred. No. 4.2e-47;  
 Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;  
 QY 103 DSNPRGVSAVLSRSPFDLFIKSPITICLVVDLAPSKGTNLWTSRASKPVNHSRKE 162  
 Db 1 DSNPRGVSAVLSRSPFDLFIKSPITICLVVDLAPSKGTNLWTSRASKPVNHSRKE 60  
 QY 163 EKORNGTLVTSTLPGVTRDWIEGETVQCRVTHPHLPRALMRSTTKTSGP 212  
 Db 61 EKORNGTLVTSTLPGVTRDWIEGETVQCRVTHPHLPRALMRSTTKTSGP 109

RESULT 15  
 US-08-232-539D-54  
 ; Sequence 54, Application US/08232539D  
 ; Patent No. 5965709  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Presta, Leonard G.  
 ; APPLICANT: Jardieu, Paula M.  
 ; TITLE OF INVENTION: Ige Antagonists  
 ; NUMBER OF SEQUENCES: 60  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Genentech, Inc.  
 ; STREET: 1 DNA Way  
 ; CITY: South San Francisco  
 ; STATE: California  
 ; COUNTRY: USA  
 ; ZIP: 94080  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: WinPatIn (Genentech)

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,539D
; FILING DATE: 21-Apr-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/178583
; FILING DATE: 07-JAN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744768
; FILING DATE: 14-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Svoboda, Craig G.
; REGISTRATION NUMBER: 39,044
; REFERENCE/DOCKET NUMBER: P0718P3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1489
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 106 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; US-08-232-539D-54

Query Match      32.6%; Score 556; DB 2; Length 106;
Best Local Similarity 100.0%; Pred. No. 4.2e-46;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      108 GVSAYLSRSPSPFDLFIKSPITITCLVVDLAFPSKGTVNLTWSRASGKPEVNHSTRKEEKQRN 167
Db      1 GVSAYLSRSPSPFDLFIKSPITITCLVVDLAFPSKGTVNLTWSRASGKPEVNHSTRKEEKQRN 60

QY      168 GTLTVTSTLPVGTTRDWIEGETYQCRVTHPHLPALMRSTTKTSGP 212
Db      61 GTLTVTSTLPVGTTRDWIEGETYQCRVTHPHLPALMRSTTKTSGP 105
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Search completed: August 18, 2004, 01:00:26  
Job time : 13.8457 secs

